

19971107.qrp v00\_n902.qrs.971107

Date: Fri, 7 Nov 1997 19:03:14 EST  
From: qrp-l@Lehigh.EDU  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: QRP-L digest 902

QRP-L Digest 902

Topics covered in this issue include:

- 1) [30380] MFJ 9020 FS  
by ki3b@juno.com
- 2) [30380] FYBO: New Date 2/7/98  
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- 3) [30381] QRP Books  
by cjsterl@ix.netcom.com
- 4) [30382] FOX Chat and Fox files...  
by Jess Gypin <jessqrp@concentric.net>
- 5) [30383] WANT: AEA/Mizuho HF Handhelds  
by n5zgt@swcp.com (Brian Mileschosky)
- 6) [30384] Black Hole Fox Monday \*\*\*\*\*  
by "Walter D. Amos" <k8cv@ameritech.net>
- 7) [30385] K8FF/NORCAL Paddle finishing  
by wsmith@cyberdrive.net (Wayne A. Smith)
- 8) [30386] Radio decisions and adventures. Or how I decide which radio to buy...  
(long)  
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- 9) [30386] STRANGE!!! What's up with the ionsphere?  
by kb9iua@juno.com (Kevin L Anderson)
- 10) [30387] FOX: What a signal!  
by tahrens1@juno.com
- 11) [30388] Re: K8FF/NORCAL Paddle finishing  
by Bob Hightower <ki7mn@dancris.com>
- 12) [30389] FOX Success!  
by Bob Hightower <ki7mn@dancris.com>
- 13) [30390] FOX is loud and have the files to prove it!  
by Jess Gypin <jessqrp@concentric.net>
- 14) [30390] Thursday Fox  
by bertieh@dancris.com
- 15) [30390] FOX: Joy in Seneca tonite!  
by David Bixler <qrp@netins.net>
- 16) [30390] Re: K8FF/NORCAL Paddle finishing  
by Monte Stark <ku7y@sage.dri.edu>
- 17) [30390] FOX propagation report from Alaska  
by "Jim, Nancy, Juliann, Issei" <larsennnc@alaska.net>
- 18) [30390] Re: Thursday Fox  
by Monte Stark <ku7y@sage.dri.edu>

- 19) [30391] Re: GQRP - Wandering keys!  
by George Gingell <k3tks@u1.abs.net>
- 20) [30392] 2N2 project  
by Steven Weber <kd1jv@moose.ncia.net>
- 21) [30393] CA Fox Bagged!  
by n4js@amsat.org
- 22) [30394] Key arrived Wv3j (Virginia) today!  
by Paul Helbert <phelbert@rica.net>
- 23) [30395] paddel arived.....  
by "Walter D. Amos" <k8cv@ameritech.net>
- 24) [30395] Re: Pixie2 Designer?  
by INTERNET BUSINESS CENTER <ibc@omega.bg>
- 25) [30396] WHAT BIG EARS YOU HAVE-FOX!  
by "George F. Allgood" <k4pym@carol.net>
- 26) [30396] QRP-L SS SCORES (3)  
by "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
- 27) [30397] WTB:OHR400  
by ckrelic@usaor.net
- 28) [30398] Re: K8FF/NORCAL Paddle finishing  
by Hank Kohl K8DD <k8dd@contesting.com>
- 29) [30399] FOX; 40 L000ooo...ong...ong...  
by SEAB&SHARON LYON <SSLYON@worldnet.att.net>
- 30) [30399] FOX hunters heard  
by rheiss@sprynet.com (Rob Heiss)
- 31) [30400] TT ARGO 556 owners please read.  
by "Gary M. - W2UX" <mail4gary@worldnet.att.net>
- 32) [30401] Want band modules for ARGO 556  
by "Gary M. - W2UX" <mail4gary@worldnet.att.net>
- 33) [30402] Re: Fox tonight  
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 34) [30403] FOXy K1MG  
by "Timothy J. Pettibone" <tpettibo@nmsu.edu>
- 35) [30403] Re: K8FF/NORCAL Paddle finishing  
by "Greg K. Pollard" <cwgreg@worldnet.att.net>
- 36) [30404] Intro  
by "Frank A. West" <ke6vhm@earthlink.net>
- 37) [30405] Fox!  
by Jerrydeen@aol.com
- 38) [30406] FOX: N/T Fox Tonight  
by "W2MBY & W2MY" <n2mnn@spacegate.com>
- 39) [30406] Re:TT ARGO 556 owners please read.  
by "Mark S. Adams" <msadams@acsu.buffalo.edu>
- 40) [30407] FOX Hunting gets tougher  
by kq0i@juno.com (Mark R Milburn)
- 41) [30408] Re: key arrival  
by Ed Loranger <we6w@qsl.net>
- 42) [30409] Re: QRP Books  
by Chris Cartwright <ccart@dns.vidtel.com>

- 43) [30410] RUFZ and US callsign database  
by Robert Nygren <rnygren@epix.net>
- 44) [30411] Fox... Loop...? Ice...? No Problem!  
by SEAB&SHARON LYON <SSLYON@worldnet.att.net>
- 45) [30412] Re: STRANGE!!! What's up with the ionsphere?  
by Ed Loranger <we6w@qsl.net>
- 46) [30413] Fox  
by Monte Stark <ku7y@sage.dri.edu>
- 47) [30414] Fox Hunts/CMEs/Az.  
by wa5whn@juno.com
- 48) [30414] QRP-L digest 901 -Reply  
by James Wells <JDWELLS@fcc.gov>
- 49) [30415] Bellvue Dinner K5F0/7  
by adams@chuck.dallas.sgi.com (Chuck Adams)
- 50) [30416] Transequatorial Propagation ?  
by aa8yo@tir.com (Bob Fox)
- 51) [30417] Bellvue update  
by adams@chuck.dallas.sgi.com (Chuck Adams)
- 52) [30417] Tapping the inductor turns in an L network  
by John Mckee <JMckee@RFMD.com>
- 53) [30417] K8FF/NORCAL Paddle  
by "Michael Fletcher" <kl7ixi@mailcity.com>
- 54) [30417] Auroral fox + skip zone = grapes (sour)  
by Vic Rosenthal <rakefet@rakefet.com>
- 55) [30417] Re: Pixie2 Revision Inquiry.  
by fmathews@norfolk.infi.net (Frank Matthews)
- 56) [30418] paddle kit in NH  
by Steven Weber <kd1jv@moose.ncia.net>
- 57) [30419] Funny signals  
by kq0i@juno.com (Mark R Milburn)
- 58) [30420] Thanks  
by "Frank A. West" <ke6vhm@earthlink.net>
- 59) [30421] RE: Fox 599 CO  
by Brad Mugleston <bmug@gwl.com>
- 60) [30421] Fox: K1MG  
by "Michael A. Gipe" <mgipe@reliablemeters.com>
- 61) [30422] RE: STRANGE!!! What's up with the ionsphere?  
by "chuck munce" <k0gjx@classic.msn.com>
- 62) [30422] Re: STRANGE!!! What's up with the ionsphere?  
by "Kevin Muenzler - WB5RUE" <wb5rue@stic.net>
- 63) [30423] 2N3055 Comments  
by ji3m@maxwell.com (James R. Duffey)
- 64) [30423] Good Ol' Fox  
by Bob Tellefsen-CNSE97 <Bob\_Tellefsen-CNSE97@email.mot.com>
- 65) [30424] Re: fox  
by Dan Tayloe-P26412 <Dan\_Tayloe-P26412@email.mot.com>
- 66) [30423] Re: STRANGE!!! What's up with the ionsphere?  
by "Dean T. Miller" <dtmiller@dsmnet.com>

- 67) [30423] MRX-40 Mini Rcvr Kit  
by SABorns@aol.com
- 68) [30424] QRPers in SS from the other side.  
by "Harvey D. D. Hetland" <n6mm@earthlink.net>
- 69) [30423] Re: Auroral fox + skip zone = grapes (sour)  
by Roger Asbury <fnrla@camelot.acf-lab.uaf.edu>
- 70) [30423] QRP rigs on sale  
by Brian Cieslak <brianc@ams-i.com>
- 71) [30424] ARK4 Fixed!  
by n4js@amsat.org
- 72) [30425] wow! QRP week here in Colorado  
by "Phil, K6LS" <k6ls@amsat.org>
- 73) [30426] Fox log: K1MG (long -- yeah!)  
by "Michael A. Gipe" <mgipe@reliablemeters.com>
- 74) [30427] Anyway to recieve QRP-L as aol newsgroup?????  
by SNickrand@aol.com
- 75) [30428] Kenwood DRU-3A installation tip.  
by gsurrency@juno.com (Gary L L Surrency)
- 76) [30429] Re: 2N3055 Comments (LONG)  
by gsurrency@juno.com (Gary L L Surrency)
- 77) [30430] Happy Dance Time  
by Ken Freedman <n1qqv@cshore.com>
- 78) [30431] Thanks for the help re. magnet wire and enamel wire  
by "JakeCart" <JakeCart@ix.netcom.com>
- 79) [30431] Norcal K8FF paddle kit.  
by Ed Loranger <we6w@qsl.net>
- 80) [30432] Antenna Switch  
by Monte Stark <ku7y@sage.dri.edu>
- 81) [30433] Fox: K1MG commentary  
by "Michael A. Gipe" <mgipe@reliablemeters.com>
- 82) [30434] Re: Pixie2 Revision Inquiry.  
by "Ron and Helen Smith" <resmith@primenet.com>
- 83) [30435] Re: QRP rigs on sale  
by "Kevin F. Glynn" <kfglynn@prodigy.net>
- 84) [30435] Icom 706 Mk II for QRP????  
by James P Rybak <jrybak@mesa7.mesa.colorado.edu>
- 85) [30436] Re: 2N3055 Comments (LONG)  
by "Watson R Gabriel Jr" <wgabriel@duke-energy.com>
- 86) [30437] RE: Tapping the inductor turns in an L network  
by pa3asc@xs4all.nl (Mike Perry)
- 87) [30438] FW: Pulling XTAL frequency UP?  
by Sam Billingsley <sbillingsley@mindspring.com>
- 88) [30439] Re: Icom 706 Mk II for QRP????  
by Kory Hamzeh <kory@avatar.com>
- 89) [30440] 1998 QRP to the Field Theme Announcement  
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 90) [30440] Re: Fox: K1MG commentary  
by "David D. Meacham" <ddm@datatamers.com>

- 91) [30440] Re: Good Ol' Fox  
by "Michael A. Gipe" <mgipe@reliablemeters.com>
- 92) [30441] Re: 2N3055 Comments (LONG)  
by ji3m@maxwell.com (James R. Duffey)
- 93) [30442] Re: STRANGE!!! What's up with the ionsphere?  
by "Owen 'OJ' Quarles" <k1oj@swbell.net>
- 94) [30443] FOX: Wrong time for N/T FOX tonite  
by "W2MBY & W2MY" <n2mnn@spacegate.com>
- 95) [30444] Watery sigs...Aurora...Transequatoril Prop.  
by "Owen 'OJ' Quarles" <k1oj@swbell.net>
- 96) [30445] Thanks for all the ARG0 556 replies.  
by "Gary M. - W2UX" <mail4gary@worldnet.att.net>

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Date: Thu, 6 Nov 1997 19:18:04 -0500  
From: ki3b@juno.com  
To: qrp-l@Lehigh.EDU  
Subject: [30380] MFJ 9020 FS  
Message-ID: <19971106.191804.8558.0.ki3b@juno.com>

MFJ 9020 For Sale

\$125 shipped

Joe KI3B

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Date: Thu, 6 Nov 1997 17:47:35 -0700 (MST)  
From: Joe Gervais <vole@primenet.com>  
To: qrp-l@Lehigh.EDU  
Subject: [30380] FYBO: New Date 2/7/98  
Message-ID: <199711070047.RAA11000@usr02.primenet.com>

Howdy Folks,

Just a heads-up for the 2nd Annual FYBO ("Freeze Your B\_\_\_\_ Off") Winter QRP Field Day, hosted by us AZ ScQRPion critters. Had we stuck with the old date, we would've run smack into a major QRO contest (ARRL DX CW). This is generally considered a Bad Thing(tm).

So clear your calendars for Feb. 7th, 1998. For those that haven't heard of it, FYBO is a real Field Day (QRP-only) in the dead of winter. Yep. But don't worry, you won't FYBO in

vain - just like the BUBBA Sprint, there's a temp multi. The colder your operating temp, the higher your multi, so you snowcave ops get big points. And the indoor ops get to sit home drinking hot chocolate, wondering just why the heck the rest of us are in the snow. ;-)

Since your operating temp is part of the exchange, everyone can sit back and enjoy the show. Is there anyone who \*didn't\* shiver a bit when they heard KI0G at 10F or N0TU at 18F?

FYBO '98 - Proving once again that QRP is not for wimps!

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"If it ain't fun, you ain't doin' it right!" -- The AZ ScQRPions

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Date: Thu, 6 Nov 1997 18:48:40 -0600 (CST)  
From: cjsterl@ix.netcom.com  
To: qrp-l@Lehigh.EDU  
Subject: [30381] QRP Books  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Greetings,

First, a big QRO thanks to Danny, K3TKS for mentioning the availability of Ade Weiss' books, "The Joy of QRP" and "The History of QRP". If anyone has not heard of these little gems, or for that matter read them, you don't know what you're missing.

These are great books! A little small in the type-face department, but absolutely inspirational and information packed. I'm having a ball reading this stuff.

Anyone have any information on how to obtain the "Milliwatt" CD-ROM? I've heard it's now available.

72,  
de Craig/AA3MD

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Date: Thu, 06 Nov 1997 17:45:29 -0700  
From: Jess Gypin <jessqrp@concentric.net>  
To: qrp-1@Lehigh.EDU  
Subject: [30382] FOX Chat and Fox files...  
Message-ID: <346264A9.2666@concentric.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi all,

There will be a hot time in the caht room tonight!  
I have been a little out of touch the last couple of weeks. There will be a general gathering of fox hunters tonight at the caht room  
<http://www.qsl.net/n0tfti>  
I will also try to record some of the action tonight as audio files and post them to the Fox web page.  
Give me some feedback here. If the audio files are of interest to you all, I will keep trying to get some of the action recorded and posted to the web page. If there is no interest, I will suspend it and delete the web page. I LOVE doing it, but it is a lot of work and I don't see any point in continuing it if no one is using it. The hit counter went gang busters the first week, but now is not that active.

Let me know!

Best

--  
Jess N0TFI <><  
<http://www.concentric.net/~jessqrp>  
qrp-1 #1232 CQC #92 1997 Fox

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Date: Thu, 6 Nov 1997 18:07:24 -0700 (MST)  
From: n5zgt@swcp.com (Brian Mileschosky)  
To: qrp-1@Lehigh.EDU  
Subject: [30383] WANT: AEA/Mizuho HF Handhelds  
Message-ID: <199711070107.SAA19828@kitsune.swcp.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hello Everybody,

I am looking for AEA or Mizuho HF Handheld transceivers for all bands, except for 10 meters, in great operating and physical condition. If there is a 6 meter version available, that would be good, too.

If you have any, or know of somebody who does, please e-mail me. Thanks!

72,

Brian, N5ZGT

PSE Visit my awesome page! <http://www.swcp.com/~n5zgt>

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Boy Scouts of America	Amateur Radio - N5ZGT
Eagle Scout (12-6-96)	ARRL QRP: NorCal# 1700 QRP-L# 580 AK/QRP # 125
JASM - Troop 41	Author of Worldradio's "Youth Forum" Column
Albuquerque, N.M.	Packet: N5ZGT @ KC5IZT.ALBQ.NM.USA.NOAM
O.A. Lodge 66 <-W-W-W-<<	Internet: n5zgt@swcp.com
Please Visit my Homepage at: <a href="http://www.unm.edu/~brianm">http://www.unm.edu/~brianm</a>	

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Date: Fri, 07 Nov 1997 01:20:37 +0000  
From: "Walter D. Amos" <k8cv@ameritech.net>  
To: Qrp List <qrp-l@Lehigh.EDU>  
Subject: [30384] Black Hole Fox Monday \*\*\*\*\*  
Message-ID: <34626CE5.9F313D1A@ameritech.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I will be the fox monday night at 9 PM or for the purests Tuesday at 02:00 GMT.

k8cv michigan Walt..... u cpy num.

rig will be Argonaut 2 and vertical gp antenna on garage roof or 80m center feed open wire dipole up 60' at apex as inverted vee.

I can and will work split if need be. I will try and reply at your speed so if you are a bit slow call anyway the black hole fox is waiting.

73

Walt k8cv



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Date: Thu, 6 Nov 1997 20:24:49 -0500  
From: wsmith@cyberdrive.net (Wayne A. Smith)  
To: qrp-1@Lehigh.EDU  
Subject: [30385] K8FF/NORCAL Paddle finishing  
Message-ID: <199711070124.UAA03650@nemesis.cyberdrive.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I have tried tumble finishing the brass parts with crushed walnut shells. The results are excellent, the brass looks like gold after a few hours. However, there is one drawback, the tapped holes pack solid with shells that are difficult to remove. I used a dental tool to pick them free while trying to avoid scratching the brass.

I have also discovered that the plexiglas handles can be polished with a propane torch. First file and sand with 400 grit paper to desired contour. Then peel off the protective paper and while holding the plexiglas with pliers or a vise pass the flame quickly back and forth over the edge to be polished. It works like magic but, don't spend too much time in the flame or you will be cutting out new plexiglas. Best try this idea on scrap first.

I hope everyone is enjoying both building and using their p-addle kits.

Best 72 de Wayne K8FF

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Date: Thu, 06 Nov 1997 18:23:29 -0700  
From: Jess Gypin <jessqrp@concentric.net>  
To: qrp-1@Lehigh.EDU  
Subject: [30386] Radio decisions and adventures. Or how I decide which radio to buy...(long)  
Message-ID: <34626D91.5C85@concentric.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi all,

I posted a while back about a friend that was looking in to buying a new radio. Well, he did not buy a new radio but I did. I was so taken by the idea of being able to have a radio in the car just

for mobile use and after looking at some of the newer small mobile radios, the hunt was on.

The first thing that I did was look at all the information that I got back from you all on the list. It seems that all of the radios in the hunt were getting yays and nays. The funny thing is that most of the people that did not like some of the radios did not own them.

I had asked about the Scout, the IC706 and the DX70. I really wanted to take a hard look at the Scout. There is only one way to do that and that is to either borrow one or buy one. There was not one around here to borrow, so I bought one. I knew that with the return policy of Ten-Tec that if I really did not like it that I could return it.

I ordered the Scout with the mobile bracket, the Ten-Tec microphone, and band modules for 17, 20, 30, and 40 meters. Two days later the radio showed up. I was really anxious to see this radio as I have never used one. My first impression was that it was a sturdy looking and feeling rig. For some reason, from the pictures I thought that it would be a lot more plastic. I pulled out the modules and gave them a good look. Not bad and sturdy as well. Got the thing downstairs and plugged in. The first band that I wanted to try was 17 meters. I turned it on and was impressed with the SSB audio quality. I found a W3 calling CQ and gave him a call. He said that the radio sounded good and could not believe that it was 50 watts. I tried it on CW and was not as impressed. I narrowed the filter all the way down and the first thing that I noticed was the filter pass freq was about 300 hz. Way too low. If I tuned the signals up to about 750 where I like to hear them, then the filter cut the signal too much. The other thing that I noticed was on strong adjacent signals, that the Scout almost acted like a DC receiver and that I could hear the "other" sideband. I also noticed on strong signals that I could hear them up to 3 k away, even with the filter in the narrowest position. That is not too good for me, being a CW op. I did put my SCAF on it and that helped a lot. But, I just spent over 600 bucks for this radio and I should not have to put a SCAF on a radio that advertises a Jone filter. The radio was fantastic on SSB, and really pretty good on CW, just did not hold up in a crowded band and the bandpass of the filter in the narrow "CW" position was just not usable. I talked with the tech at Ten-Tec and he said that he could probably cure the bandpass tone and improve the SB rejection, but I was not 600 dollars impressed for a CW radio. Now the real problem that I had with the radio. Frequency selection and stability. The rig was stable WHEN the micro locked the frequency. The tuning knob was stiff and imprecise. As long as I was careful not to transmit with the radio when the PTO was free running as indicated by the display led, I was ok. But it free ran a lot. Especially using the built in keyer. When I would squeeze the radio, it would jump freq. The internal power adjustment was a pain. I realize that I could have lived with a lot of this and could have modded

the radio for external power adjustment, but that would not fix the PT0. I was frankly worried about the mechanical tuning mechanism wearing out. So, with a lot of regret ( I REALLY liked the radio, kinda a cult thing!), I sent the Scout back. I did work a lot of DX in the CQWW SSB and from the mobile.

The next trip was to HRO in Denver to look at the IC706 and the DX70. I spent a lot of time looking at both and playing with both. They both are not quiet QSK. They both click. The IC706 has a few more external plugs and options. The receivers on both sounded good. The DX70 seemed to be a bit more sensitive. The IC706 has to have an optional filter installed for CW. The radio costs 1500 bux. The DX70 is about 750 for the low 6 power version and has the narrow CW filter and SSB filter built in. So, to make a long story short, I bought the DX70. I like it. The radio is a bit busy on full QSK. The audio reports I get for transmitted audio are superb. I get great reports on CW. The radio has several settings for "semi" break in and I find this to work well for just rag chewing. The filters work well, although the narrow CW filter is not 500 hz, more like 800 hz. The receiver works real well and the radio is easy to use with a little orientation. I am having fun with the 6 meter "qrp" side.

Bottom line? The Scout has it's place. New, it costs too much for what you get. The IC706 is a cool rig. It too, is pricey, but for a main rig or only rig, it is good. I think that the best bang for the buck is the Alinco as I already had 2 meter gear. I don't think that I would spend the extra money for the high power version of the Alinco just because I am not that serious about 6 meters.

Sorry to ramble, hope that some can use the information. I think that the Scout is a good radio, just not suited for what I expected and what my needs were....

Best 72

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Jess N0TFI <><  
<http://www.concentric.net/~jessqrp>  
qrp-l #1232 CQC #92 1997 Fox

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Date: Thu, 06 Nov 1997 21:44:16 EST  
From: kb9iua@juno.com (Kevin L Anderson)  
To: qrp-l@Lehigh.EDU  
Subject: [30386] STRANGE!!! What's up with the ionsphere?  
Message-ID: <19971106.084406.7855.0.kb9iua@juno.com>

I am new enough to radio to not know what happens to 40m when conditions supposedly get better, but I sure hope it is not like tonight. What is up? In my location, over half the signals I'm hearing, QRP and QRO, have a bizarre watery, hollow, echo-like sound that is very hard to copy (K1MG is impossible to understand, nor can I make out who is calling him, but nonetheless plenty are calling, so what I'm hearing must be localized somehow). Some signals sound "normal" but most don't.

Is there something about the solar conditions that I should know about, a storm or something? Last night (Wednesday) seemed strange as well. I was traveling for work, and thus just had my Radio Shack shortwave along, and that was strange too. WWV was like I was hearing a delayed echo that washed itself out.

Insights welcome....anyone else experience this?

Cheers/72. Kevin/KB9IUA.

p.s. how can one get solar information via e-mail (e.g., Juno) only?

\*\*\*\*\*  
Kevin Anderson, KB9IUA, Rock Island IL USA  
kb9iua@juno.com or Kevin.L.Anderson@usace.army.mil  
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Date: Thu, 06 Nov 1997 22:04:37 EST  
From: tahrens1@juno.com  
To: qrp-1@Lehigh.EDU  
Subject: [30387] FOX: What a signal!  
Message-ID: <19971106.220250.4919.0.tahrens1@juno.com>

Wow Mike, what a good signal!! Thanks for the contact. Sounds like you are gonna break the record.. they are really flying by.

good luck

Tim W5FN

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Date: Thu, 6 Nov 1997 20:12:56 -0700 (MST)  
From: Bob Hightower <ki7mn@dancris.com>  
To: wsmith@cyberdrive.net  
Cc: qrp-l@Lehigh.EDU  
Subject: [30388] Re: K8FF/NORCAL Paddle finishing  
Message-ID: <199711070312.UAA14928@dancris.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 08:24 PM 11/6/97 -0500, you wrote:

>I have tried tumble finishing the brass parts with crushed walnut shells.  
>The results are excellent, the brass looks like gold after a few hours.  
>However, there is one drawback, the tapped holes pack solid with shells that  
>are difficult to remove. I used a dental tool to pick them free while  
>trying to avoid scratching the brass.  
>

Maybe you could pack the holes with beeswax or clay before tumbling?

>I have also discovered that the plexiglas handles can be polished with a  
>propane torch. First file and sand with 400 grit paper to desired contour.  
>Then peel off the protective paper and while holding the plexiglas with  
>pliers or a vise pass the flame quickly back and forth over the edge to be  
>polished. It works like magic but, don't spend too much time in the flame  
>or you will be cutting out new plexiglas. Best try this idea on scrap first.  
>

With a lot of elbow grease, you can first sand them, then burnish/polish  
them on a very rough piece of heavy cloth, such as old jeans, and a buffing  
compound.

73,

Bob, KI7MN Chandler, AZ ScQRPion QRP-L #271, NorCal #1228, CQC #274, QRP  
ARCI #8918, AK QRP #30, not in any order of importance.

33.334500N -111.87260W

<http://www.dancris.com/~ki7mn>

WIMPS: QSO's=19 30=19 17=0 12=0 States=15/0/0 DX=0/0/0 QSL's=7

-----  
Date: Thu, 6 Nov 1997 20:16:23 -0700 (MST)  
From: Bob Hightower <ki7mn@dancris.com>  
To: qrp-l@Lehigh.EDU  
Subject: [30389] FOX Success!  
Message-ID: <199711070316.UAA15203@dancris.com>

Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

There's joy in the 'ole house tonight. Caught the Fox at 0214 (Mike, I told you I would catch you early!), and, after a few tries and some fine tuning, the XYL caught him at 0233. When he came back to her, she 'bout fell out of the chair, and got a bit flustered, so the first part of the exchange was a bit shaky. That one justified a whole lot of qrp gear in the shack, I tell you.

If you haven't gotten your XYL interested, and can, do so. Sure worth the time.

Thanks, Mike, for coming back to the slow ones.

73,  
Bob, KI7MN Chandler, AZ ScQRPion QRP-L #271, NorCal #1228, CQC #274, QRP  
ARCI #8918, AK QRP #30, not in any order of importance.  
33.334500N -111.87260W  
<http://www.dancris.com/~ki7mn>  
WIMPS: QSO's=19 30=19 17=0 12=0 States=15/0/0 DX=0/0/0 QSL's=7

-----  
Date: Thu, 06 Nov 1997 20:06:08 -0700  
From: Jess Gypin <jessqrp@concentric.net>  
To: qrp-l@Lehigh.EDU  
Subject: [30390] FOX is loud and have the files to prove it!  
Message-ID: <346285A0.564E@concentric.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi all,

The Fox was purty loud here tonight! I did finally get around to recording some more files and they are good. I got K10J, myself and WOCH recorded along with some famous list others. Give the files a listen and see if you can guess who he is working! I mananged to snag him about the 3rd or 4th QSO. Mike, great job and you were really LOUD! here...Must not be a copper antenna ;-)

Best

--

Jess N0TFI <><  
<http://www.concentric.net/~jessqrp>  
qrp-l #1232 CQC #92 1997 Fox

-----  
Date: Thu, 6 Nov 1997 20:24:30 -0700 (MST)  
From: bertieh@dancris.com  
To: qrp-l@Lehigh.EDU  
Subject: [30390] Thursday Fox  
Message-ID: <199711070324.UAA15853@dancris.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Thanks Mike for catching the slow ones...being my second time, I'm still pretty nervous about this whole thing :-) While listening to the other hunters, I thought I'll never be that fast...but, I guess you don't have to be fast when the fox has great ears!! I appreciate your responding to my little "yelp"!

73,

Bertie  
N7XJW

-----  
Date: Thu, 06 Nov 1997 22:28:40 -0800  
From: David Bixler <qrp@netins.net>  
To: QRP-L Low Power Amateur Radio Discussion <QRP-L@Lehigh.EDU>  
Subject: [30390] FOX: Joy in Seneca tonite!  
Message-ID: <3462B515.23F73B27@netins.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hello Mike and the gang:

Thanks for the FOX contact Mike. You have been solid copy here in southwest Missouri tonight. Some QSB taking you from 569 to 339, but no problem copying you. Worked you with 4 watts output to the 300-something foot long wire running east-west.

Little better copy on the long wire versus the off-center fed Zepp. Less noise on the long wire.

You sure have your hands full with the crowd, but  
you are doing a great job managing the pileups.

72, and hope to see you again on Feb. 13th.

Dave Bixler        W0CH        "The Mulefox"  
Seneca, MO        QRP-L 618

-----  
Date: Thu, 6 Nov 1997 19:31:51 -0800 (PST)  
From: Monte Stark <ku7y@sage.dri.edu>  
To: "Wayne A. Smith" <wsmith@cyberdrive.net>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [30390] Re: K8FF/NORCAL Paddle finishing  
Message-ID: <Pine.SUN.3.90.971106193053.20775A-100000@vortex>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Wayne,

I would suggest putting bolts in the tapped holes before  
tumbling them.

73, Ron,        SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

-----  
Date: Thu, 06 Nov 1997 18:43:14 -0900  
From: "Jim, Nancy, Juliann, Issei" <larsennnc@alaska.net>  
To: qrp-l@Lehigh.EDU  
Subject: [30390] FOX propagation report from Alaska  
Message-ID: <34628E52.4F16@alaska.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Greetings from Alaska!

Please let the conditions during my nights as Fox in December NOT be  
like tonight.



I could not hear even one CW signal on the whole 40 meter band (QRP or QRO). Not even on 20 meters then or earlier. Totally and utterly dead. Sigh...

73, Jim, AL7FS

--

Jim Larsen, ex-WA0LPK  
Acupressure Anchorage  
Anchorage, Alaska

-----  
Date: Thu, 6 Nov 1997 19:43:44 -0800 (PST)  
From: Monte Stark <ku7y@sage.dri.edu>  
To: bertieh@dancris.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [30390] Re: Thursday Fox  
Message-ID: <Pine.SUN.3.90.971106194240.20775B-1000000@vortex>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Bertie,

Hey, I heard you working that fox! Great job. You sounded just fine here in Nevada. MUCH MUCH louder than the fox!

Congratulations,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

-----  
Date: Thu, 6 Nov 1997 22:53:15 -0500 (EST)  
From: George Gingell <k3tks@u1.abs.net>  
To: "Merschrod, Kris" <km@pact.org.pe>  
Cc: G-QRP Club E-mail Reflector <gqrp-l@blacksheep.org>, QRP List <qrp-l@Lehigh.EDU>, "Sr. Gary M. (TICK Keyer) Diana" <gmddsr@vivanet.com>  
Subject: [30391] Re: GQRP - Wandering keys!  
Message-ID: <Pine.BSI.3.96.971106224641.12994D-1000000@u1.abs.net>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Yes, and if you use the three button mouse, you can use the scenter button for programmable memory. :^) Try a "Tick Keyer Chip" you can get them from Embedded Research for about \$ 15.00 for the kit with pcb. For more information and the latest prices, contact Gary, N2JGU at <gmddsr@vivanet.com> They also have an SMD model and I think it has memory as well.

Sir George, The First :^)

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net

QRP A.R.C.I. Net Manager and Board of Director Member.

George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117

Maryland Milliwatt Club QRP Reference Library, (301)572-6789

Maryland Milliwatt Club Founder and Trustee of Club Station KB3BVG

Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

On Thu, 6 Nov 1997, Merschrod, Kris wrote:

```
>
> I've been out of the loop on vacation so I'm picking up the thread
> late.
>
>
> I never went the keyer route -- from straight key to mouse. Gut the
> old mouse (the better quality the better) and use the two buttons for
> dots and dashes with a memory keyer or key chip. Most mice have space
> for a small keyer board.
>
> The beauty of a mouse is that you naturally keep a grip on it during
> those emotional moments when some finally comes back and says ...\qrp
> ur 30 over 9!
>
>
> 72,
>
> Kris
> OA4DBO
> ---
> Via GQRP-L - The G-QRP Club mailing list
>
```

-----

Date: Thu, 06 Nov 1997 22:57:53  
From: Steven Weber <kd1jv@moose.ncia.net>  
To: qrp-1@Lehigh.EDU  
Subject: [30392] 2N2 project  
Message-ID: <3.0.1.16.19971106225753.26c79092@mailhost.ncia.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Howdy 2n2'ers

Well gang, about all I got to do now is neaten up the power wires, close the cover and try to make some Q's. That's right, my 2n2er is effectively done, with two 2222's to spare.

Heres the specs:  
40 meters, VFO tuned, 7.0 to 7.06 Mhz  
Super het, 4.433 Mhz IF  
0.5 uv's MDS  
spkr audio out  
980 mw RF output power  
150 ma Rx only  
160 ma with Tx board  
280 ma key down  
Measured at 12.0 Volts

2N2 count VFO - 2 + 1 for Vreg, Rx - 10, Tx - 5 + 2 for keying

All them class A amplifiers eat some power, but nobody said it had to be low current draw.

For the audio amp, used a class A amp with a transformer in the collector. I happened to have one, but Radio Shack sells one that should work fine. a resonant speaker really helps too. It's not real loud and distorts easialy, but gives adaquite volume.

Well, I'm glad that's done. Now maybe I can get back to doing some paying work around here, hi.

Now, don't anyone dispare, still lots of time for you to design and build your 2N2 rig. Months and months in fact. I just happen not to other wise have a life and could devote the time to this. Having all the parts needed sure helped too. I didn't put a whole lot of thought into this either. Just put together what came off the top of my head. Chances are very good that someone who puts some real thought into it will come up with a better and more clever design.

Bottom line, go for it!

72N2,  
Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

-----  
Date: Thu, 06 Nov 1997 22:44:48 -0500 (EST)  
From: n4js@amsat.org  
To: qrp-1@Lehigh.EDU  
Subject: [30393] CA Fox Bagged!  
Message-ID: <XFMail.971106224448.n4js@amsat.org>  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 8bit  
MIME-Version: 1.0

Wow, what weird conditions! Heard Mike all night, but didn't get him until 0330!  
I was hearing CT and NY stations (N2GO was 589 here!) Both short and long skip.  
Lots of QRN from storm coming up East Coast, too. BUT, I got him! Look out, Doc!

Sent at 22:44:48 on 06-Nov-97

John L. Sielke	n4js@amsat.org	n4js@pobox.com
\         _     / _	n4js@qsl.net	NJ Grid:FM29LN
. '     _ _       \ _ _ \	<a href="http://www.qsl.net/n4js">http://www.qsl.net/n4js</a> NJ-QRP #57 QRP-L #884	
_   \ _     _   \ _ _ /   _ _ /	QRP-ARCI CQC #443 CQrp #50 AKQrp ARQrp	
NE-QRP #507 G-QRP #9544	NorCal #1989	QCWA FISTS #2781 ARS #243

-----  
Date: Thu, 06 Nov 1997 23:05:10 -0500  
From: Paul Helbert <phelbert@rica.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [30394] Key arrived Wv3j (Virginia) today!  
Message-ID: <34629375.DF1B91E7@rica.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I got the key kit in the mail today, just in time for the monthly  
Massanutten Amateur Radio Assn. meeting. The crowd didn't seem  
sufficiently impressed. Wait 'til the April homebrew meeting when I'll  
show it off finished next to another one as received. Oh well, many in  
this crowd aren't impressed unless they saw it advertised on tv, or  
maybe it needs a Japanese name on it?

Thanks for all the good and timely work on the kits!

73,

Paul, Wv3j

-----  
Date: Fri, 07 Nov 1997 01:46:11 +0000  
From: "Walter D. Amos" <k8cv@ameritech.net>  
To: Qrp List <qrp-l@Lehigh.EDU>  
Subject: [30395] paddle arived.....  
Message-ID: <346272E3.2AA9CCCC@ameritech.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

My paddle also came today here in Royal Oak, Michigan, looks like I will be sanding this weekend.

For those who happened to read this far my fox frequencies will be 7.041 or there about. no lower than 7.035 or higher than 7.045 I ain't competing with W1AW code practice..... :-)

Walt k8cv

-----  
Date: Fri, 7 Nov 1997 04:07:24 +0200  
From: INTERNET BUSINESS CENTER <ibc@omega.bg>  
To: qrp-l@Lehigh.EDU  
Subject: [30395] Re: Pixie2 Designer?  
Message-ID: <199711070402.GAA00410@mail.omega.bg>

It was originally designed by Russian ham Oleg Borodin, RV3GM (if my memory is OK) and published in SPRAT. It was called MICRO transceiver. If you are interesting I could find exact data from SPRAT.

72, Harry Popov LZ1BB

>Frank Matthews wrote:

>>  
>> Fellow QRP-Lers  
>>  
>> Does anyone know who is responsible for the original Pixie design?  
>> I am thinking about putting a project booklet together that will include  
>> schematics, parts list, pc foil pattern layouts, and a "take you by the  
>> hand" approach as to how the circuit is designed, how the components were  
>> selected (with calculations) and etc.  
>[cut]

---

Editor of The QRP Digest - E-mail ham radio newsletter for low  
power enthusiasts. Issued twice per month. QRP news and information  
To subscribe: <mailto:ibc@omega.bg> Subject: SUBSCRIBE QRP-D

-----  
Date: Thu, 6 Nov 1997 10:29:48 -0500  
From: "George F. Allgood" <k4pym@carol.net>  
To: <qrp-l@Lehigh.EDU>  
Subject: [30396] WHAT BIG EARS YOU HAVE-FOX!  
Message-ID: <199711070408.XAA02798@carol.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Hello Mike,

Great to hear you! You were clicking right through the pile up with style  
and grace.  
First tried to catch you with Butternut ground mounted vertical, but it was  
noisy.  
Switched to G5RV at 50 feet and things cleared up remarkably well. Your  
signal was simply unbelievable here in Northwest South Carolina. Thanks  
for  
your expertise and patience. My 40 meter Sprint never had it so good!  
72

George Allgood

k4pym@carol.net  
Walhalla, SC

-----  
Date: Fri, 07 Nov 1997 04:23:38 -0500  
From: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>  
To: qrp-l@Lehigh.EDU  
Subject: [30396] QRP-L SS SCORES (3)  
Message-ID: <3.0.16.19971107042253.304fe194@som-uky.campus.mci.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

call	score	qso	mlt
-----			
W5TFB	88,950	593	75
W8RU	88,160	580	76
AE0Q	87,756	618	71
KU7Y	86,394	561	77
K5FO	80,100	524	75
N4ROA	77,964	534	73
W1EAT	72,600	484	75
WZ2T	61,323	420	73
KX7L	60,680	410	74
N8ET	50,224	344	73
WD3P	45,114	309	73
K8ZAA	42,600	300	71
W4DEC	33,552	233	72
K10J	29,920	220	68
K06KA	26,004	197	66
W9DZ	23,400	180	65
K4WZ	23,240	166	70
KJ3V	22,540	161	70
K5ZTY	20,636	308	67
VE7CQK	18,000	150	60
WR4I	17,388	138	63
NQ7X	15,720	131	60=7F
N9DD	14,500	132	55
AA1PB	14,444	178	49
N6GA	14,248	137	52
AE4IC	13,716	127	54
AB7TK	13,310	121	55
WP4JXD	13,300	133	50
W5VBO	12,288	128	48
WA20CG	10,800	108	50
W1PA	10,528	112	47
N2TO	9,270	103	45
WB6JBM/8	8,160	102	40

AA5CO	6,768	72	47
NQ2RP	6,704	81	42
KE4IZH	6,180	103	30
AA1IK	4,880	61	40
WA1QVM	4,588	62	37
K5OI	3,468	51	34
N3XRV	2,592	48	27
KF8EE	2,548	49	26
KI0G	2,400	50	24
KI7MN	1,575	45	35
WB2VUO	1,080	27	20
KV2X	900	25	18
K0SU	672	21	16
AB7OA	364	14	13
KM5D	34	4	4

Total number of scores reported - 48.

If you're a qrp-l member and operated qrp (class Q) in the ARRL CW Sweepstakes, send me a note with your claimed score, number of qso's and multipliers, and I'll add you to the list.

In the Subject: line, put QRPLSS, followed by your call, so my mail filter will sort it out for me.

The next list will be sent on 11/12, and will be the final posting. So send those scores in.

...Rich

-----

Date: Thu, 06 Nov 1997 23:57:09 -0500  
 From: ckrelic@usaor.net  
 To: qrp-l@Lehigh.EDU  
 Subject: [30397] WTB:OHR400  
 Message-ID: <34629FA4.407214E9@usaor.net>  
 MIME-Version: 1.0  
 Content-Type: text/plain; charset=us-ascii  
 Content-Transfer-Encoding: 7bit

In excellent condition, Name. . .Your . . .Price, I want one.

This is the most likely place on the planet to find one.  
 Hey, use the money for more QRP kit/kits and accessories -:)



Thanks,

72 Curt  
Ka3ivb  
QRP-L #433

-----  
Date: Thu, 06 Nov 1997 23:37:16 -0500  
From: Hank Kohl K8DD <k8dd@contesting.com>  
To: ku7y@sage.dri.edu  
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [30398] Re: K8FF/NORCAL Paddle finishing  
Message-ID: <3.0.1.32.19971106233716.00c2a3e4@192.0.0.1>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 07:31 PM 11/6/97 -0800, Monte Stark wrote:  
>Hi Wayne,  
>  
>I would suggest putting bolts in the tapped holes before  
>tumbling them.  
>

Yeah, if I'd have gotten all the parts! Trip to the hardware store  
for washers and a couple black screws.

\*/ Hank Kohl K8DD k8dd@contesting.com  
\*/ ARRL TS (k8dd@tir.com)  
\*/ MI-QRP - Vice Pres. QRP-ARCI - Director  
\*/ G-QRP ARRL/LM QCWA/LM QCAO/LM

-----  
Date: Fri, 7 Nov 1997 04:59:40 +0000  
From: SEAB&SHARON LYON <SSLYON@worldnet.att.net>  
To: qrp-l@Lehigh.EDU  
Subject: [30399] FOX; 40 L000ooo...ong...ong...  
Message-ID: <19971107045936.AAB4961@LOCALNAME>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Well... THAT was better. Mike had nice sig all nite but pileup was MURDER! Don't know how he did it. After working him I meandered down to the lo end and listened to some really freaky propagation, where 9K2MU was rolling in 559 but "ringing" so badly he was quite unintelligible. Other DX ringing too, prob. due to solar burp. Did work YV5SJ tho, (my 4.5w = 449) and had a good nite for a change. The new 1500' loop config up 60 - 90' really cranks! 72 =s=

Seab Lyon, AA1MY, Bethel, CT, USA  
FN-31-HJ; ARRL; QCWA; ACRI#9253;  
QRP-L#574; NEQRP#511; Pres., C.A.R.A.:  
<http://www.danbury.lib.ct.us/org/cara>

-----  
Date: Thu, 6 Nov 1997 21:09:37 -0800  
From: rheiss@sprynet.com (Rob Heiss)  
To: qrp-l@Lehigh.EDU  
Subject: [30399] FOX hunters heard  
Message-ID: <199711070509.VAA20365@m5.sprynet.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

Fellow fox chasers and all the gang --

40 meters sure was long tonite! I expected to not hear K1MG from 200 miles (although Mike was 229 sometimes on backscatter!) but the big surprise was not hearing the ear-splitting hunters from Arizona. Good conditions to listen for QRP signals from all over. Heard calling Mike:

K5JHP VE7CQK AC2K W5TFB N0TFI W0CLR WA5WHN K5JHP K5ID K0SU W7GVN AA5TA  
AB5UA K10J KK6MC KJ3V W0CH K5OI NI0A N9AW W5HNS KJ5VW K0HUU K5UP W5FN  
N0HJ VE3JC VE6GK KU4AF WA9PWP AE4IC KI0II K0FRP N4ROA AA1MY KA5T W5SB  
AE9K VE6NJK WD4MSM AA5CO NI0A N9KW W8RU AC5II

Whew! As always, the fox heard lots more than I could. Good job! My goal is to collect 100 or more hunters on a dupe sheet. After listening to six fox nights we're getting there, figuring out how to adjust the RF gain and listening for the early quick callers.

73, Rob K06KA rheiss@sprynet.com

-----

Date: Fri, 07 Nov 1997 01:45:15  
From: "Gary M. - W2UX" <mail4gary@worldnet.att.net>  
To: qrp-l@Lehigh.EDU  
Subject: [30400] TT ARGO 556 owners please read.  
Message-ID: <3.0.3.16.19971107014515.3717274a@postoffice.worldnet.att.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hello and thanks for reading. I just got an TenTec ARGO 556 and at very low audio levels I believe that I hear processor noise in the receiver. Do you have the same problem? OR....is there something wrong with the one I have.

Anything else I should know about the little gem. I really like the rig....just that noise bugs me.

Thanks

=====  
72/73 de W2UX QRP-ARCI  
Gary McCaughey QRP-L  
Lexington, SC CQC  
CW is the REAL THING!  
Use it....or lose it.  
=====

-----  
Date: Fri, 07 Nov 1997 01:48:11  
From: "Gary M. - W2UX" <mail4gary@worldnet.att.net>  
To: qrp-l@Lehigh.EDU  
Subject: [30401] Want band modules for ARGO 556  
Message-ID: <3.0.3.16.19971107014811.371706c6@postoffice.worldnet.att.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hello and thanks for reading.

Just got an ARGO 556 and looking for a deal on some band modules. Really want one for 10 meters.

What do you have and how much you asking.

Thanks

=====  
72/73 de W2UX QRP-ARCI  
Gary McCaughey QRP-L  
Lexington, SC CQC  
CW is the REAL THING!  
Use it....or lose it.  
=====

-----

Date: Fri, 7 Nov 1997 00:59:29 -0500  
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>  
To: "INTERNET:mgipe@reliablemeters.com" <mgipe@reliablemeters.com>, "Doc W.D. Lindsey/K0EVZ" <70511.3041@compuserve.com>,  
QRP-L Discussion Group <QRP-L@Lehigh.EDU>  
Subject: [30402] Re: Fox tonight  
Message-ID: <199711070102\_MC2-2716-61D1@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: 7bit  
Content-Type: text/plain; charset=us-ascii  
Content-Disposition: inline

Mike:

You had an excellent signal tonight, truly at the 579 RST I gave you during our QSO at 0207. Thanks for coming back. Your signal stayed very readable for the next hour or so after our QSO. Couldnt't always hear the hunter, but your signal was like a clear beacon, even when the digital noise came and later when the N2 called CQ. Congrstulations!

And wow, you were absolutely flying. Bet you set a new record for Q's. Can hardly wait to see your log.

So thanks again for a great FOXhunt. Hope you will be in the hunt when I am the one in the barrel.

72/73,  
--Doc/K0EVZ qrp-l 861 norcal 2050 cqz 414 ARS 311 FISTS 3868 mn-qrp 19  
nj-qrp 69 ak/qrp 139 AR QRP 73 ARCI 9398 ARRL WAS 48/40  
DXCC 56/42 <>< FOX Total 11/07/97 12 of 13 + 8 of 12 N/T+ FOX.

-----  
Icom 751A Omni V Sierra Argo 515 Norcal 40a SW-40 49er 38S  
Mercury Paddles Emtech ZM-1 MFJ 259 MFJ 941D GAP TNT/2 Windom  
SLV/W6MMA G5RV Autek QF-1 RS DSP-40

"Things should be as simple as possible, but no simpler"--A. Einstein

-----  
Date: Thu, 06 Nov 1997 23:04:34 -0700  
From: "Timothy J. Pettibone" <tpettibo@nmsu.edu>  
To: qrp-1@Lehigh.EDU  
Subject: [30403] FOXY K1MG  
Message-ID: <3.0.3.32.19971106230434.0069555c@dante.nmsu.edu>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Finally, worked a FOX while mobiling! Was in El Paso, TX tonite and heard Mike up and down right after 0200z. Got him at 0311z, right after getting on I10 heading north towards Las Cruces. Was using the QRP+ and a 40m Hamstick on a mag mount on top of the F150 pickup. Brought the Environtronics paddle and it kept slipping off my lap - sorry about that Mike - I know my fist must have sounded a bit strange. Beats the darned Bencher that I dropped last week in Silver City and broke a wire. That's probably why I didn't work N0UR last time I was mobile.

Good job Mike. Sounded like you were really racking them up!

Tim K50I/M in TX  
normally in Las Cruces, NM

-----  
Date: Fri, 07 Nov 1997 01:33:08 -0500  
From: "Greg K. Pollard" <cwgreg@worldnet.att.net>  
To: qrp-1@Lehigh.EDU  
Subject: [30403] Re: K8FF/NORCAL Paddle finishing  
Message-ID: <3.0.1.32.19971107013308.00687078@postoffice.worldnet.att.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 03:12 AM 11/7/97 +0000, you wrote:  
>At 08:24 PM 11/6/97 -0500, you wrote:  
>>I have tried tumble finishing the brass parts with crushed walnut shells.  
>>The results are excellent, the brass looks like gold after a few hours.  
>>However, there is one drawback, the tapped holes pack solid with shells that  
>>are difficult to remove. I used a dental tool to pick them free while  
>>trying to avoid scratching the brass.

>>

>

>Maybe you could pack the holes with beeswax or clay before tumbling?

Or a little compressed air would do the trick.

Greg W8XP

-----  
Date: Wed, 5 Nov 1997 19:43:16 -0800  
From: "Frank A. West" <ke6vhm@earthlink.net>  
To: <Dan\_Tayloe-P26412@email.mot.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [30404] Intro  
Message-ID: <199711070736.XAA08904@germany.it.earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Hello all. Guess an intro is in order. Name is Frank West  
KE6VHM Tech + from Riverside Ca. Very interested in QRP  
as well as Old tube rigs.

Have seen a few posts about a 2222 project. What is going on?  
What are you building?

TTFN 73 Frank KE6VHM  
Grid Square DM13  
CW Forever

-----  
Date: Fri, 7 Nov 1997 06:34:18 -0500 (EST)  
From: Jerrydeen@aol.com  
To: qrp-1@Lehigh.EDU  
Subject: [30405] Fox!  
Message-ID: <971107063418\_1736911879@mrin84.mail.aol.com>

Another fox pelt! Helps a lot in cold Iowa winters!! Mike , tn timer digging  
me out. Great sigs, and lots of activity. Looking forward to your log.  
Still get a great thrill out of this fox stuff!!! 73, Jerry WB0T

Date: Fri, 7 Nov 1997 06:20:00 -0400  
From: "W2MBY & W2MY" <n2mnn@spacegate.com>  
To: "QRP-L message" <qrp-l@Lehigh.EDU>  
Subject: [30406] FOX: N/T Fox Tonight  
Message-ID: <0055358341107b7NS@spacegate.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

N/T Fox tonight (Friday local time), Oct 8, 00:00 to 02:00 UTC, 7.141 +/-.

John, W2MBY

n2mnn@ spacegate.com  
The e-mail address of:  
John Pituch N/T Fox W2MBY (ex KC2CFZ)  
Steve Pituch W2MY (ex N2MNN)

-----  
Date: Fri, 7 Nov 1997 08:28:56 -0500  
From: "Mark S. Adams" <msadams@acsu.buffalo.edu>  
To: "QRP-L Internet QRP Club" <qrp-l@Lehigh.EDU>  
Cc: <mail4gary@worldnet.att.net>  
Subject: [30406] Re:TT ARGO 556 owners please read.  
Message-ID: <01bceb81\$19947700\$3a4ecd80@madams2.facilities.buffalo.edu>  
MIME-Version: 1.0  
Content-Type: multipart/alternative;  
boundary="-----=\_NextPart\_000\_0010\_01BCEB57.30BE6F00"

This is a multi-part message in MIME format.

-----=\_NextPart\_000\_0010\_01BCEB57.30BE6F00  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

Hi Gary and Gang,

I have an Argo 556, AKA the Cubbie, and love it. In fact it is my "big" =  
rig.

As for the noise, well, it is easily eliminated by one of two methods =  
(at least).

1.. use headphones with an inline volume control. Kick in a little =  
attenuation and turn up the rig volume a little, or  
2.. Use the OHR SCAF. On any setting it kills the noise.=20  
Novel, eh? I would like a big fancy rig, but for the price of this =  
gem I cannot see the value in spending more (threats from the XYL =  
notwithstanding).

Downsides to this rig? Well, I like my atomic keyer better than the =  
internal keyer, the power output on mine will not reduce power below =  
about 4 watts, the internal SWR meter works well enough but does not =  
agree closely with readings from my OHR WM2 and there is no speech =  
processor built in.=20

So far there seems to be no competition. But the SGC2020 is coming soon.

Good luck!  
72, Mark N2VPK  
Member of the Buffalo QRP Connection

-----=\_NextPart\_000\_0010\_01BCEB57.30BE6F00

Content-Type: text/html;

charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

<!DOCTYPE HTML PUBLIC "-//W3C//DTD W3 HTML//EN">

<HTML>

<HEAD>

<META content=3Dtext/html; charset=3Diso-8859-1 =

http-equiv=3DContent-Type>

<META content=3D'"MSHTML 4.71.1712.3"' name=3DGENERATOR>

</HEAD>

<BODY bgColor=3D#ffffff>

<DIV><FONT color=3D#000000 size=3D2>Hi Gary and Gang,</FONT></DIV>

<DIV><FONT color=3D#000000 size=3D2></FONT>&nbsp;</DIV>

<DIV><FONT size=3D2>I have an Argo 556, AKA the Cubbie, and love it. In =  
fact it is=20

my &quot;big&quot; rig.</FONT></DIV>

<DIV><FONT size=3D2></FONT>&nbsp;</DIV>

<DIV><FONT size=3D2>As for the noise, well, it is easily eliminated by =  
one of two=20

methods (at least).</FONT></DIV>

<OL>

<LI><FONT size=3D2>use headphones with an inline volume control. =  
Kick in a=20

little attenuation and turn up the rig volume a little, =  
or</FONT></LI>



<LI><FONT size=3D2></FONT><FONT color=3D#000000 size=3D2>Use the OHR =  
SCAF. On any=20  
setting it kills the noise. </FONT></LI></OL>  
<DIV><FONT color=3D#000000 size=3D2></FONT><FONT size=3D2>Novel, eh? I =  
would like a=20  
big fancy rig, but for the price of this gem I cannot see the value in =  
spending=20  
more (threats from the XYL notwithstanding).</FONT></DIV>  
<DIV><FONT size=3D2></FONT>&nbsp;</DIV>  
<DIV><FONT size=3D2>Downsides to this rig? Well, I like my atomic keyer =  
better=20  
than the internal keyer, the power output on mine will not reduce power =  
below=20  
about 4 watts, the internal SWR meter works well enough but does not =  
agree=20  
closely with readings from my OHR WM2 and there is no speech processor =  
built in.=20  
</FONT></DIV>  
<DIV><FONT size=3D2></FONT>&nbsp;</DIV>  
<DIV><FONT size=3D2>So far there seems to be no competition. But the =  
SGC2020 is=20  
coming soon.</FONT></DIV>  
<DIV><FONT size=3D2></FONT>&nbsp;</DIV>  
<DIV><FONT size=3D2>Good luck!</FONT></DIV>  
<DIV><FONT color=3D#000000 size=3D2>72, Mark&nbsp;<BR>Member of =  
the Buffalo=20  
QRP Connection<BR></FONT>&nbsp;</DIV></BODY></HTML>

-----=\_NextPart\_000\_0010\_01BCEB57.30BE6F00--

-----  
Date: Fri, 07 Nov 1997 09:22:58 EST  
From: kq0i@juno.com (Mark R Milburn)  
To: qrp-1@Lehigh.EDU  
Subject: [30407] FOX Hunting gets tougher  
Message-ID: <19971107.092340.12431.0.KQ0I@juno.com>

Boy, this fox thing is really catching on. I listened to Mike for about an hour and a half, and could hear him very well most of the time, but I got lost in the baying of the hounds every time. It seemed well organized and a very good cooperative effort by all I could hear. Mike was clicking 'em off as fast as he could go, but there were always new ones to fill in the holes left by those getting their reports. Oh well, my turn will come again. Last year conditions were such that I only heard a few foxes...this year at least I can hear 'em, even if they can't

hear me....we're gaining on it.

72/73 Mark

KQOI @ W0AK.#CIA.IA.USA.NOAM e-mail: kqoi@juno.com  
ARRL;DMRAA;QRP-L #625;NORCAL #1829;ARS #139;NW QRP #418;QRP ARCI #9226

-----  
Date: Fri, 07 Nov 1997 14:44:00 +0000  
From: Ed Loranger <we6w@qsl.net>  
To: rut@mcrut.mv.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [30408] Re: key arrival  
Message-ID: <34632930.2782@qsl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Phillip S. Rutledge wrote:

>  
> At 11:04 PM 11/6/97 +0000, you wrote:  
> >Greg K. Pollard wrote:  
> >>  
> >> One Norcal paddle arrived in Dayton, Oh. today.  
> >> After looking at the brass pieces, my first instinct is to throw them into  
> >> my tumbler full of ground corn cobs and brasso that cleans my .44 casings.  
> >> Its worth a try.  
> >>  
> >> TU and need to get busy, 73  
> >> Greg W8XP  
> >  
> >  
> >You'll be BANGing out code in no time! -HI <vbg>  
> >-Ed  
>  
> Don't get cute Ed or he'll SLUG you!! :-)  
>  
> ===PSR===  
> =====  
> Phil Rutledge--K1HS-- rut@mcrut.mv.com  
>  
> ARCI#9265=Norcal#1797=QRP-L#820= CQC# 385=FISTS# 3317  
> =====

Yeah, then I'd have a shiner!

-Ed

--

72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)

HW-8,0HR-100, Pixie2, Johnson Viking II, Drake TR-3

QRP-L#1068,ARCI#9397,Norcal#2227,ARS#275,AR#112 grid CM88ok

mailto:we6w@qsl.net <http://www.qsl.net/we6w>

-----  
Date: Fri, 7 Nov 1997 10:54:06 -0500 (EST)

From: Chris Cartwright <ccart@dns.vidtel.com>

To: QRP Reflector <qrp-l@Lehigh.EDU>

Subject: [30409] Re: QRP Books

Message-ID: <Pine.LNX.3.93.971107104951.590F-100000@dns.vidtel.com>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 6 Nov 1997 cjsterl@ix.netcom.com wrote:

> Anyone have any information on how to obtain the "Milliwatt" CD-ROM? I've  
> heard it's now available.

Anyword on the "new" milliwatt CD yet? I've been holding off getting  
one as all of the text was typed a few months ago, and now should be  
searchable instead of just having images of the printed version.

Tom?... Anyone?...

-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --  
-- N3XRV ARRL-VE QRP WAS 27/10(w/c) | ccart@erols.com --  
-- QRP-L #655 NORCAL #1891 QRP-ARCI #???? | <http://dns.vidtel.com/~ccart> --

-----  
Date: Thu, 06 Nov 1997 11:51:49 -0500

From: Robert Nygren <rnygren@epix.net>

To: qrp-l@Lehigh.EDU

Subject: [30410] RUFZ and US callsign database

Message-ID: <3461F5A1.FA4C8A63@epix.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Greetings!

I'm sure I read a post regarding how to use RUFZ with a U S callsign database.

Unfortunately, that was before I downloaded the program. Although I missed CW Sweeps this year, I think RUFZ could really increase my keyboarding speed.

Can anyone help me out with this?

Thanks,

Bob N3RN <rnygren@epix.net>

-----  
Date: Fri, 7 Nov 1997 15:16:49 +0000  
From: SEAB&SHARON LYON <SSLYON@worldnet.att.net>  
To: qrp-l@Lehigh.EDU, "Christopher Moore" <christopher.moore@snet.net>  
Subject: [30411] Fox... Loop...? Ice...? No Problem!  
Message-ID: <19971107151647.AAA14131@LOCALNAME>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi Chris... I can't wait for the ice either! When it ices up, I just plug it into a wall outlet with a 200w bulb in series and the ice just falls off in 2-3 minutes. YAHAAaaaaaaa..... 72 =s=

.....  
t 01:20 PM 11/7/97 +0000, you wrote:  
>Congrats on working the fox. I'm in Eastern CT. Tried for about 30 mins  
>up until 0200. Lots of hounds out there.  
>That 1500' loop is the envy of us all. Wait til the ice storms (grin).  
>72 Chris W1GM  
>>  
Seab Lyon, AA1MY, Bethel, CT, USA  
FN-31-HJ; ARRL; QCWA; ACRI#9253;  
QRP-L#574; NEQRP#511; Pres., C.A.R.A.:  
<http://www.danbury.lib.ct.us/org/cara>

-----  
Date: Fri, 07 Nov 1997 15:22:58 +0000  
From: Ed Loranger <we6w@qsl.net>

To: kb9iua@juno.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [30412] Re: STRANGE!!! What's up with the ionsphere?  
Message-ID: <34633252.734F@qsl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Glad I'm not alone!!! Same sound here. I spent the 4 hours searching the N/T and G+ foxii and from what I heard, thought I had a power supply problem, or shorted speaker connection somewhere.

It's funny, before reading your note I sent my FOX team, FOXTAIL PACKERS a note that:

>>4 hours, Glued to my rig, searching, searching.....

>>Never heard the N/T fox NOGML from New York, and despite  
>>the General+ HOUNDS booming into my QTH, I was in the skip  
>>zone for Mike, K1MG.

>>>Mike sounded like a trumpeteer playing under muddy water.

Indeed, Waz-Up?/Ed

Kevin L Anderson wrote:

>

> I am new enough to radio to not know what happens to  
> 40m when conditions supposedly get better, but I sure  
> hope it is not like tonight. What is up? In my location,  
> over half the signals I'm hearing, QRP and QRO, have  
> a bizarre watery, hollow, echo-like sound that is very  
> hard to copy (K1MG is impossible to understand, nor  
> can I make out who is calling him, but nonetheless  
> plenty are calling, so what I'm hearing must be localized  
> somehow). Some signals sound "normal" but most don't.

>

> Is there something about the solar conditions that I  
> should know about, a storm or something? Last night  
> (Wednesday) seemed strange as well. I was traveling  
> for work, and thus just had my Radio Shack shortwave  
> along, and that was strange too. WWV was like I was  
> hearing a delayed echo that washed itself out.

>

> Insights welcome....anyone else experience this?

>

> Cheers/72. Kevin/KB9IUA.

> p.s. how can one get solar information via e-mail (e.g.,

> Juno) only?

> \* \* \* \* \*  
> Kevin Anderson, KB9IUA, Rock Island IL USA  
> kb9iua@juno.com or Kevin.L.Anderson@usace.army.mil  
> \* \* \* \* \*

--

72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)  
HW-8,0HR-100, Pixie2, Johnson Viking II, Drake TR-3  
QRP-L#1068,ARCI#9397,Norcal#2227,ARS#275,AR#112 grid CM88ok  
mailto:we6w@qsl.net <http://www.qsl.net/we6w>

-----  
Date: Fri, 7 Nov 1997 07:32:23 -0800 (PST)  
From: Monte Stark <ku7y@sage.dri.edu>  
To: QRP-L <qrp-l@Lehigh.EDU>  
Subject: [30413] Fox  
Message-ID: <Pine.SUN.3.90.971107072613.21242D-1000000@vortex>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Wow, condx were sure not in my favor last night!

I would hear Mike about 329 and then he would be gone for  
awhile.

I tried calling a few times thinking it would only get worse  
and I even tried tailending. But had to stop because I was just  
not getting enough of what he was saying to know if he even  
came back to me!!

Ate dinner. Came back and listened some more. Now and then he  
would jump up to about S5 for about 3/4 of a exchange. I waited  
until I thought it was going to happen again. Called. There he  
was, S4 easy copy sending my call and the exchange. Just as he  
was finishing the exchange he began dropping down. It took a few  
fills for him to get my exchange and then I managed to hear the  
faint QSL and then he was gone!!

You did good Mike! And in case anyone wonders, I was running  
5W again last night!

I hope the earlier start tonight helps those close in stations.

Ain't we having fun?? cul,

73, Ron,        SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

-----  
Date: Fri, 7 Nov 1997 08:31:40 -0700  
From: wa5whn@juno.com  
To: qrp-l@Lehigh.EDU  
Cc: n7tx@primenet.com  
Subject: [30414] Fox Hunts/CMEs/Az.  
Message-ID: <19971107.083145.3198.0.wa5whn@juno.com>

qrp-lers,

Ah, the Fox K1MG, Mike was a S-5 to S-9, with a whole group of hunters within 1 KHz of his frequency. KU7Y had nearly ruptured my eardrums, calling Mike. How much power are You running Ron ? ;-) Mike was picking up stations on the first call, lead dog style (first on the key). It had taken me a few minutes to figure that one out. Alot of stations were calling Mike much later, after the QRZ, but he had already started an exchange of information. Well done Mike.

Did anyone notice that we had a minor CME, from the Sun, arrive on Nov. 5th, with another impacting today (Nov. 7th) ? Mr. Kent Torrell had cued us into that fact. Tnx Kent.

The evening before (05NOV97), I had the pleasure of having dinner with N7TX & KC7TIW, at a small Italian restaurant in Mesa, Az.. We had returned to KC7TIW's & N7TX's QTH. They have this massive array of antennas up (2 elements on 40 meters @ 80 feet). Steve had fired up the FT-1000MP, and we had proceeded to chat a bit, in his shack. On 7.018 MHz was ZS6AWK (0405 UTC), calling CQ, he was S-5, Dannie was running 100 watts into a vertical dipole. Also, on 7.004 MHz was R1ANF, in the Shetland Islands, S-9, calling CQ. We had tried to listen for JY9QJ, but could barely copy him (319). WOW !!! A whole different world out there, when You place enough hardware in the sky. ;-) Tnx Steve & Vicki, for a quiet evening. QRPers are a great bunch of People. Oh, and DXers too. ;-)

BTW, how many of You abuse Your' local DX Packet Cluster ? I do not normally chase DX, but it's a great way to see what conditions the bands

are in. The NM & Az. DX Clubs are linked (Nice having those 13,000+ feet granite peaks out there), via a packet cluster. The latest Solar data is available from your' local DX Packet cluster.

Don't forget, the Socorro, NM Hamfest is Nov. 15th.

72,...Jay, WA5WHN DM65qd Albuquerque, NM

USA

-----  
Date: Fri, 07 Nov 1997 09:57:01 -0500  
From: James Wells <JDWELLS@fcc.gov>  
To: qrp-l@Lehigh.EDU  
Subject: [30414] QRP-L digest 901 -Reply  
Message-ID: <s462f3fb.040@fcc.gov>  
Mime-Version: 1.0  
Content-Type: text/plain  
Content-Disposition: inline

Anybody have a Centennial 80 Meter SSB QRP rig? I am having some drifting problems with the VFO Anybody been there done that?

Jim KE5Q

-----  
Date: Fri, 7 Nov 1997 16:04:18 GMT  
From: adams@chuck.dallas.sgi.com (Chuck Adams)  
To: qrp-l@Lehigh.EDU  
Subject: [30415] Bellvue Dinner K5F0/7  
Message-ID: <199711071604.QAA12784@chuck.dallas.sgi.com>

My personal thanks to the gang in Bellvue WA and area.  
Last night the group listed below got together at  
grazie Ristorante Italiano in Bellevue for dinner.

A lot of the group had not seen each other even though they  
all were in the area. The first time they had all been in one



place at the same time. Two hours of fun and food, which was excellent by the way.

Thanks to Alan KB7MBI for the work in putting it all together. BTW, if you haven't worked Alan as the novice fox, you must make an attempt to do so. His QSL card is worth the effort. Apropos for the contact and that's all I'm going to say about it. :-)

Several NorCal 38-Specials on display, the W6EMT Z-Match, and a Gary Breed Xcvr HB. Nice work guys.

Let's do it again.

dit dit de K5F0/7

W7QC	Steve Buroker
WU7F ex KB7NV	Bob Farnworth (Note no s in his last name. :-)
N7EQZ	Steve Rito
KC7KHD	Dale Scott
KB7ZF0	Dennis Hebert
K7SZL ex W08N	Terry Mayhan
KB7MBI	Alan Dujenski
W6EMT	Roy Gregson
K7MP ex KC7CKP	John Shuster
WA20CG	Michael Sealfon
K5F0 ex K5FJZ	Chuck Adams

Chuck Adams K5F0 CP-60 adams@sgi.com  
<http://reality.sgi.com/adams/index.html>

-----  
Date: Fri, 7 Nov 1997 11:04:52 -0500 (EST)  
From: aa8yo@tir.com (Bob Fox)  
To: qrp-l@Lehigh.EDU  
Subject: [30416] Transequatorial Propagation ?  
Message-ID: <199711071604.LAA19544@sun.tir.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Gang,

In response to several observations about the unusual sounding signals that some of you - including myself - heard last night....

Not 100% certain, but think we may have experienced

transequatorial propagation. I heard some strong, and lots of weak "watery" signals which certainly meet the definition of this phenomenon.

Again I'm not certain of this, but I'm willing to bet that with all the technical expertise that exists on this reflector, an accurate explanation will be forthcoming....

73 - Bob / AA8Y0

-----  
e-mail: aa8yo@tir.com  
FISTS #3056 QRP-L #1174  
QRP-ARCI #9487 MI-QRP #1595  
Amateur Radio Operator  
Amateur Civil War Historian  
-----

-----  
Date: Fri, 7 Nov 1997 16:06:22 GMT  
From: adams@chuck.dallas.sgi.com (Chuck Adams)  
To: qrp-l@Lehigh.EDU  
Subject: [30417] Bellvue update  
Message-ID: <199711071606.QAA12797@chuck.dallas.sgi.com>

Ooops. My sincere apologies to Rod Johnson, KA7YOU, also present at the todo. Rod also was kind enough on Wednesday to take me to the Issaqua (sp?) ham club meeting.

Thanks,

Chuck Adams K5FO CP-60 adams@sgi.com  
<http://reality.sgi.com/adams/index.html>

-----  
Date: Fri, 7 Nov 1997 11:05:55 -0500  
From: John Mckee <JMckee@RFMD.com>  
To: "'QRP-L'" <qrp-l@Lehigh.EDU>  
Subject: [30417] Tapping the inductor turns in an L network  
Message-ID:  
<c=US%a=\_%p=RF\_Micro\_Devices%l=PACHACUTEC-971107160555Z-8216@proxy1.rfmd.com>  
MIME-Version: 1.0

Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Hello Gang,

This question is to anyone using an L network antenna tuner. (1) Do you short unused turns or leave them floating? (2) Do you tap from the low impedance (TX) side of the inductor or the antenna side, or does it matter?

My application is for QRP but the tuner components are capable of handling higher power.

I would appreciate hearing from anyone using this type of tuner with an end fed wire.

Thanks

John WB40FT  
jmckee@rfmd.com

-----  
Date: Fri, 07 Nov 1997 07:54:57 -0700  
From: "Michael Fletcher" <kl7ixi@mailcity.com>  
To: qrp-l@Lehigh.EDU  
Subject: [30417] K8FF/NORCAL Paddle  
Message-ID: <GCDCLHBOKHMKBAAA@mailcity.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

When I told my kids that my paddle kit had arrived, there was a dramatic change in their behavior for more than 30 minutes!

72,  
Mike KL7IXI

Get your free and private web-based e-mail from our new partner at <http://www.mailexcite.com>

-----  
Date: Fri, 07 Nov 1997 08:13:45 -0800

From: Vic Rosenthal <rakefet@rakefet.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [30417] Auroral fox + skip zone = grapes (sour)  
Message-ID: <34633E39.FDB97B4F@rakefet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Wow! I thought it was going to be hard last night, but not impossible -- I was wrong. Mike started out just at the noise level here in Central CA, maybe 180 miles south of Mike -- I'd have given him a 229 if I'd worked him. His signal had the distinct rough sound of auroral propagation. Unfortunately for me, the East coast and Midwest hounds were S7 here, and therefore probably good and loud at Mike's QTH as well. And if he had his beam east...

At about 0310 his signal came up to 449 -- still very auroral-sounding. My theory is that he had his beam north, and I was hearing the back scatter from the aurora. Unfortunately, the pack was still thick, and very loud. The good signals lasted five or ten minutes, and then he dropped down again. Finally, in the last few minutes, the pack started to thin out. Mike even called CQ fox a couple of times. I had a couple of clear shots at the very end, but by that time he was just barely perceptible, and I guess he didn't hear me (the temptation to give my signal a boost of about 13 db by throwing a couple of switches was there, but I overcame it).

In summary, the skip was too long for normal F2 propagation, even with my relatively high-angle-radiating antenna (dipole at 50 feet). I wouldn't have heard Mike at all, if not for the auroral scatter. All the grapes in the world under my antenna wouldn't have helped!

I'm going to miss the next two foxes due to a business trip next week. But I'll be back! Damn, this is fun, even in failure.

Vic K2VCO  
Fresno CA

-----

Date: Fri, 7 Nov 1997 23:28:45 -0500  
From: fmathews@norfolk.infi.net (Frank Matthews)  
To: w4stx@gte.net  
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [30417] Re: Pixie2 Revision Inquiry.  
Message-ID: <v01530502b08994f26835@[208.131.169.193]>  
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

>Hello Frank,  
>Is anyone making and selling the revised board with your improvements?  
>Tnx es 73,

Bill,

Not that I am aware of. I've been thinking about offering the design on a piece of "blue film" (iron on circuit board type) along with some instructions on how to successfully do your own board. I use this process with my high school electronic students with a great deal of success. If they can do it I'm sure most everyone on the list can.

This WOULD NOT be a business venture but simply a labor of love. I would offer the piece of film for 50 cents each. Most people would probably want at least two just in case they messed up. I could also probably offer the precut pc board at a nominal cost as well. Everyone would still have to etch and drill it but isn't that part of the fun? Or, you could pick up a board at the local Radio Shack and cut it yourself.

I was thinking that for two bucks and a SASE (this is a labor of love and I'm not excited about addressing envelopes) I could send two "blue film images", one pc board, a parts list, and a parts placement guide.

If the group thinks its a good idea and if I get enough favorable responses I will gear up for it. This will be my only post on this subject as I don't want anyone to think I'm trying to use the list as a source of advertising. I'm just "pixie crazy" and want to share the enthusiasm. Don't mind a little extra work and effort to do it.

Let me know what you think....all replies welcome as I have CC: this to the group.

Frank

Frank Matthews  
Technology Education Department  
Oscar F. Smith High School  
1994 Tiger Drive  
Chesapeake, VA 23320  
(757) 548-0696 Ext. 51  
Email/fmathews@norfolk.infi.net

-----  
Date: Fri, 07 Nov 1997 11:19:37  
From: Steven Weber <kd1jv@moose.ncia.net>  
To: qrp-1@Lehigh.EDU  
Subject: [30418] paddle kit in NH  
Message-ID: <3.0.1.16.19971107111937.26cfabfc@mailhost.ncia.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

The Mailman just walked in the door and I said "Anything good today?" He said, "Just this box, which is a little beat up" Beat up indeed. Looks like they drove a truck over it a few times. Thankfully, the contents are in good shape, nothing broke or bent.

Looks neat. Well, guess I'm still not going to get any paying work done around here after all. At least the 2N2 rig is done.

Thanks Jim, Wayne K8FF, and the whole Norcal gang for another great one!

72,  
Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

-----  
Date: Fri, 07 Nov 1997 11:51:20 EST  
From: kq0i@juno.com (Mark R Milburn)  
To: qrp-1@Lehigh.EDU  
Subject: [30419] Funny signals  
Message-ID: <19971107.115157.4871.0.KQ0I@juno.com>

There's been some discussion about unusual signal quality on the bands...perhaps this might explain it:

MIDDLE LATITUDE AURORAL ACTIVITY WARNING

WARNING ISSUED: 04:20 UTC, 05 NOVEMBER

/\

Refer to: <http://solar.uleth.ca/solar/www/aurpred.html>  
For Supporting Graphics Forecasts

VALID BEGINNING AT: 00:00 UTC ON 06 NOV

VALID UNTIL: 19:00 UTC ON 08 NOV

HIGH RISK PERIOD: 07 NOV (UTC days)

MODERATE RISK PERIOD: 06 - 08 NOV

PREDICTED ACTIVITY INDICES: 15, 30, 60, 20 (05 NOV - 08 NOV)  
(INPUT INTO THE PREDICTIVE AURORA SOFTWARE \*)

POTENTIAL MAGNITUDE OF MIDDLE LATITUDE AURORAL ACTIVITY: HIGH

POTENTIAL DURATION OF THIS ACTIVITY: MAIN BELT=24 HOURS  
MINOR BELT=24 TO 48 HOURS

ESTIMATED OPTIMUM OBSERVING CONDITIONS: NEAR LOCAL MIDNIGHT

EXPECTED LUNAR INTERFERENCE: NIL TO LOW

OVERALL OPPORTUNITY FOR OBSERVATIONS FROM MIDDLE LATITUDES:  
GOOD TO VERY GOOD

AURORAL ACTIVITY MAY BE OBSERVED APPROXIMATELY NORTH OF A LINE FROM...

SOUTHERN OREGON AND POSSIBLY EXTREME NORTHERN REGIONS OF  
CALIFORNIA

TO SOUTHERN IDAHO AND NORTHERN UTAH TO NORTHEASTERN COLORADO TO  
NORTHERN KANSAS TO CENTRAL MISSOURI TO KENTUCKY AND POSSIBLY  
EXTREME NORTHERN TENNESSEE TO NORTHERN NORTH CAROLINA.

OBSERVATIONS WILL BE POSSIBLE FROM THESE LOCATIONS UNDER A  
DARK SKY (NO MOON OR SIGNIFICANT LIGHT POLLUTION) DURING THE  
PEAK PHASE OF THE AURORAL STORM ACTIVITY.

ACTIVITY MAY ALSO BE OBSERVED APPROXIMATELY NORTH OF A LINE FROM...

EXTREME NORTHERN SPAIN TO CENTRAL FRANCE TO CENTRAL GERMANY  
TO CENTRAL POLAND TO NORTHERN RUSSIA, INCLUDING ALL OF NORWAY,  
SWEDEN, FINLAND, DENMARK, UNITED KINGDOM, BELGIUM AND ALL OTHER  
EXTREME NORTHERN COUNTRIES IN EUROPE. SIGHTINGS ARE ALSO

EXPECTED

FROM MOST OF NEW ZEALAND AND EXTREME SOUTHERN AUSTRALIA.

\* Contact: Oler@Solar.Uleth.CA or COler@Solar.Stanford.Edu for more  
information regarding the Auroral Activity Prediction and  
Simulation Software.

SYNOPSIS...

A major auroral storm is expected to commence on 06 or 07 November

in

response to a large X-class proton solar flare observed on 04 November. Most of the storming is expected on 07 November. This is expected to be

a

significant event, with the potential of producing visible levels of auroral activity throughout all of the middle and many low-latitude regions, particularly after the moon sets (after approximately 12:30 am to 1:00 am local time). Near-optimum observing conditions are expected under dark moonless skies on 07 November.

Other less vigorous levels of activity are expected to be observed on

06 November following the arrival of another observed coronal mass ejection

on 03 November. This activity (on 06 November) could produce widely visible

levels of activity across many middle latitude regions. But the main event

is expected to be observed late on 06 November and particularly on 07 November when the main shocked disturbance impacts the Earth. Activity should begin subsiding late on 07 November and on 08 November.

Observers interested in spotting auroral activity should keep in mind

the following helpful observational hints:

1. Dark adapt your eyes before attempting to view activity. Walking outside after having submersed your eyes in bright light will considerably diminish your chances of viewing activity, particularly if it is weak.

2. Concentrate observations near local-midnight when auroral activity is statistically the strongest and the geometry of the auroral ovals is at its most equatorward location.

3. Best observations are made under dark moonless skies. The moon sets on 07 November after 12:30 am local time throughout most regions. Dark skies implies as little light pollution from city lights as possible. Travel to a dark country location away from city lights for the best observations.

4. Be patient. Auroral activity often comes and goes in waves called substorms. Although this could be a moderately

intense

event, there may be some periods (of perhaps several hours,



particularly for those in the lower latitudes) where auroral activity is only visible as a glow along the northern horizon

(or southern horizon for southern hemisphere observers).

Within

minutes, this activity can explode into a diverse array of

shapes

of curtains, rays and a variety of colors and brightnesses. Patience often pays off.

5. Current conditions can be found at:

<http://solar.uleth.ca/solar>.

We will be updating this page as soon as the disturbance arrives. Often, the main phase of the storm may take a few additional hours to begin after the main shock front of the disturbance impacts the Earth. Refer to this page (and

subpages

thereof) for complete details.

6. If you need realtime access to current conditions, purchase

the

software known as SWARM (Solar Warning And Realtime Monitor). This software is the most sophisticated and elaborate

software

for alerting you (audibly, even verbally) of conditions conducive to observing auroral activity. It will become an invaluable asset to those who need to monitor conditions as

the

solar cycle picks up steam over the next few years.

7. If you observe auroral activity, we would appreciate

receiving

your observational reports. Include with your reports the

time

of your observation (preferably in Universal time, otherwise

state

what time-zone you are in), what you saw, estimate the brightness of the activity you observed, changes in color, pulsations, movements, or other useful observational

features.

Also include your estimated latitude and longitude and the duration of your observation. Send these reports to: [COler@Solar.Stanford.Edu](mailto:COler@Solar.Stanford.Edu) and we will incorporate as many

quality

observational reports as we can into our database.

This warning will remain in effect until 19:00 UTC on 08 November.

It

will then be updated or allowed to expire.

\*\* End of Warning \*\*

-----  
Date: Fri, 7 Nov 1997 08:54:38 -0800  
From: "Frank A. West" <ke6vhm@earthlink.net>  
To: "QRP Group" <qrp-l@Lehigh.EDU>  
Subject: [30420] Thanks  
Message-ID: <199711071654.IAA03746@italy.it.earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Thanks to all that responded. Guess I have some building to do to get caught up with ya'll.

Does anyone know of a URL for the Mirconaut and or the 49r?

I would like the info please. And thanks again for the warm welcome.

Hope to work you all soon.

TTFN 73 Frank KE6VHM  
Grid Square DM13  
CW Forever

-----  
Date: Fri, 7 Nov 1997 08:40:28 -0700  
From: Brad Mugleston <bmug@gwl.com>  
To: CQclist <cqclist@lists.sni.net>, "'Steve Galchutt'" <n0tu@webaccess.net>  
Cc: "'qrp-l'" <qrp-l@Lehigh.EDU>  
Subject: [30421] RE: Fox 599 C0  
Message-ID: <01BCEB58.CF3D9420@pps-pc10.gwl.com>  
Content-Type: text

I heard him too. 599 for about 1/2 hour then gone. He never did hear me.

KB0ROL, Brad

-----  
From: Steve Galchutt[SMTP:n0tu@webaccess.net]  
Sent: Thursday, November 06, 1997 10:01 PM  
To: CQclist  
Subject: Fox 599 C0

Heard the fox 599 here tonite...but very watery sounding ...a fluttery fast QSB...must be that old sun spot business?

.....Steve > n0tu . .

email:N0TU@webaccess.net

homepage <<http://www.webaccess.net/~S&P>>

-----  
Date: Fri, 7 Nov 1997 09:08:23 -0800  
From: "Michael A. Gipe" <[mgipe@reliablemeters.com](mailto:mgipe@reliablemeters.com)>  
To: "QRP-L list server" <[qrp-l@Lehigh.EDU](mailto:qrp-l@Lehigh.EDU)>  
Subject: [30421] Fox: K1MG  
Message-ID: <199711071709.LAA31879@multi13.netcomi.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Yeeeehaaaa! That was like two hours of Space Mountain. What a thrill.

Will post a full report as soon as I decipher my handwritten log and key it into the PC.

Thanks to all,

Mike K1MG

-----  
Date: Fri, 7 Nov 97 23:16:59 UT  
From: "chuck munce" <[k0gjx@classic.msn.com](mailto:k0gjx@classic.msn.com)>  
To: "Low Power Amateur Radio Discussion" <[qrp-l@Lehigh.EDU](mailto:qrp-l@Lehigh.EDU)>  
Subject: [30422] RE: STRANGE!!! What's up with the ionsphere?  
Message-ID: <UPMAIL05.199711071718550845@classic.msn.com>

Gang

Its called AURORA... chuck

-----

From: owner-qrp-l@Lehigh.EDU on behalf of Ed Loranger  
Sent: Friday, November 07, 1997 09:22  
To: Low Power Amateur Radio Discussion  
Subject: Re: STRANGE!!! What's up with the ionsphere?

Glad I'm not alone!!! Same sound here. I spent the 4 hours searching the N/T and G+ foxii and from what I heard, thought I had a power supply problem, or shorted speaker connection somewhere.

It's funny, before reading your note I sent my FOX team, FOXTAIL PACKERS a note that:  
>>4 hours, Glued to my rig, searching, searching.....

>>Never heard the N/T fox NOGML from New York, and despite  
>>the General+ HOUNDS booming into my QTH, I was in the skip  
>>zone for Mike, K1MG.

>>>Mike sounded like a trumpeteer playing under muddy water.

Indeed, Waz-Up?/Ed

Kevin L Anderson wrote:

>  
> I am new enough to radio to not know what happens to  
> 40m when conditions supposedly get better, but I sure  
> hope it is not like tonight. What is up? In my location,  
> over half the signals I'm hearing, QRP and QRO, have  
> a bizarre watery, hollow, echo-like sound that is very  
> hard to copy (K1MG is impossible to understand, nor  
> can I make out who is calling him, but nonetheless  
> plenty are calling, so what I'm hearing must be localized  
> somehow). Some signals sound "normal" but most don't.  
>  
> Is there something about the solar conditions that I  
> should know about, a storm or something? Last night  
> (Wednesday) seemed strange as well. I was traveling  
> for work, and thus just had my Radio Shack shortwave  
> along, and that was strange too. WWV was like I was  
> hearing a delayed echo that washed itself out.  
>  
> Insights welcome....anyone else experience this?  
>  
> Cheers/72. Kevin/KB9IUA.  
> p.s. how can one get solar information via e-mail (e.g.,  
> Juno) only?  
> \* \* \* \* \*  
> Kevin Anderson, KB9IUA, Rock Island IL USA  
> kb9iua@juno.com or Kevin.L.Anderson@usace.army.mil

> \* \* \* \* \*

--

72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)  
HW-8,0HR-100, Pixie2, Johnson Viking II, Drake TR-3  
QRP-L#1068,ARCI#9397,Norcal#2227,ARS#275,AR#112 grid CM88ok  
mailto:we6w@qsl.net <http://www.qsl.net/we6w>

-----  
Date: Fri, 7 Nov 1997 11:22:59 -0600  
From: "Kevin Muenzler - WB5RUE" <wb5rue@stic.net>  
To: <we6w@qsl.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [30422] Re: STRANGE!!! What's up with the ionsphere?  
Message-ID: <01bceba1\$cb421960\$d8016f81@muenzlerk.uthscsa.edu>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

There was a VERY large solar flare on Tuesday. Data is available at  
<http://cnn.com/TECH/9711/06/solar.storm/>

It is EXTREMELY impressive

Kevin

-----Original Message-----

From: Ed Loranger <we6w@qsl.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Date: Friday, November 07, 1997 9:25 AM  
Subject: Re: STRANGE!!! What's up with the ionsphere?

>Glad I'm not alone!!! Same sound here. I spent the 4 hours  
>searching the N/T and G+ foxii and from what I heard,  
>thought I had a power supply problem, or shorted speaker  
>connection somewhere.  
>  
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>Kevin L Anderson wrote:  
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>> Insights welcome....anyone else experience this?  
>>  
>> Cheers/72. Kevin/KB9IUA.  
>> p.s. how can one get solar information via e-mail (e.g.,  
>> Juno) only?  
>> \* \* \* \* \*  
>> Kevin Anderson, KB9IUA, Rock Island IL USA  
>> kb9iua@juno.com or Kevin.L.Anderson@usace.army.mil  
>> \* \* \* \* \*  
>  
>--  
>72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)  
>HW-8,0HR-100, Pixie2, Johnson Viking II, Drake TR-3  
>QRP-L#1068,ARCI#9397,Norcal#2227,ARS#275,AR#112 grid CM88ok  
>mailto:we6w@qsl.net http://www.qsl.net/we6w  
>

-----

Date: Fri, 7 Nov 1997 10:22:21 -0700  
From: ji3m@maxwell.com (James R. Duffey)  
To: David Shalita <af389@lafn.org>  
Cc: qrp-1@Lehigh.EDU  
Subject: [30423] 2N3055 Comments  
Message-ID: <v02130502b088f02a62b5@[192.31.66.158]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Dave - I missed your earlier questions on the 2N3055 so I don't know exactly what your questions were, but like most things I have an opinion on this as well. Nobody asked me to share it so I will.

First there are probably better transistors available for power supply applications than the 2N3055. The 2N3055, like the 2N2222 is the cockroach (ir pigeon) of power NPNs. I don't have my Motorola power transistor app book here, but if you look at it you can find several NPN transistors with Safe Operating Areas (SOAs) that provide better margin for your application than the 2N3055. If you need to know more about using transistors within their SOA check with Horowitz and Hill, "The Art of Electronics". One transistor that leaps to mind now that I have said I can't remember any is the 2N3772. This is off the top of my head so check to be sure. Anyway for a few dollars more you can probably find a better transistor for the application. You may also wish to check the Tech America catalog.

The 2N3055 comes in many flavors. I recommend buying only ones made by reputable manufacturers, Motorola, as an example. You should avoid surplus ones. 20 years ago as a post Doc I had an Argon LASER power supply that used an unholy amount of 2N3055s in its power supply; 60, 6 banks of 10 each as I recall. One day one pass transistor went out so I replaced it. A couple days later the whole string that contained that transistor went out, so I replaced the whole string. A few days later 2 strings went out, the one I had replaced and the one adjacent to it. After that, it became impossible to turn the thing on without burning out a string. After replacing a few strings I realized that I was missing something basic. I called the manufacturer and after the second call I got the right person and he told me that they selected the 2N3055s that had high secondary breakdown for htis application. I bought nearly all of the 2N3055s available in Salt Lake City and had the technician measure them on a curve tracer and picked the highest ones. That cured my problem.

That experience left me with a lot of dead 2N3055s from various manufacturers. I decided to open a few. There were a wide variety of actual die inside, the largest being 3 or so times the size of the smallest. The method of attachment also varied, some used eutectic, and some used epoxy. The coverage of epoxy varied quite a bit as well. What surprised me was the wide variety of wire bonding; some had ribbon, some had hefty wire bonds,

some had thin wirebonds, some had aluminum and some had gold. Some had ball bonds and some had wedge bonds. Most of the ones with thin wire bonds had, not surprisingly, failed by fusing of the wire bonds. All of the ribbon bonds were intact. There was corrosion in some packages, the dreaded purple plague of early semiconductor packaging, even though these were supposed to be hermetically sealed TO-3 metal cans. For me it was not unlike one's first exposure as to what goes into sausage (or politics).

I suspect that some manufacturers sell a lot of chips that fail inspection as other part numbers as 2N3055s, and hence the wide variation.

Most 2N3055s do not have enough current gain to be driven by a 723 directly to very high current and will require a driver transistor. Like nearly everything else Ham Radio had an excellent article on the design of high current power supplies about 15 years ago or so. I don't have the reference handy though. Lots of heat sink is always a good idea and you may also wish to add a fan to cool the heat sink.

My \$0.02. - Duffey

James R Duffey KK6MC/5 DM65  
30 Casa Loma Road  
Cedar Crest, NM 87008

-----  
Date: Fri, 7 Nov 1997 9:41:00 -0600  
From: Bob Tellefsen-CNSE97 <Bob\_Tellefsen-CNSE97@email.mot.com>  
To: mgipe@reliablemeters.com  
Cc: qrp-1@Lehigh.EDU  
Subject: [30423] Good Ol' Fox  
Message-ID: <M2214766.002.af2d2.1.971107175413Z.CC-MAIL\*/OU=LMPCC4/OU=ILBB/PRMD=MOT/ADMD=MOT/C=US/@MHS>

Well, Mike, that was a heck of a scrap last night. I've worked 1w stations on the east coast with stronger signals. Obviously you decided to ignore my sage advice and left your antenna aimed east the whole time. Well, you deserved what you got. :-)

Heard a few loud signals and a lot of weak ones. Hope it was just my location and that you had a good bag of hunters.

Now, let's see. It took me an hour and a quarter to work you. You're about 40 miles from me. I could have driven over to your house and exchanged reports in person in less time. Hmmm. We exchanged



maybe a dozen words altogether. 12 words/75 minutes= about .16 wpm throughput. Now, factor in a 40 mile communication path as .16/40. That's about .004 wpm/mile communications effectiveness. I understand radio is an up and coming technology. Surely we will be able to improve on this with time.

Ol' Kenwood and I are looking forward to your next outing.

72, Bob N6WG and Ol' Kenwood

-----  
Date: Fri, 7 Nov 1997 9:28:00 -0600  
From: Dan Tayloe-P26412 <Dan\_Tayloe-P26412@email.mot.com>  
To: azqrp@dancris.com, qrp-1@Lehigh.EDU  
Subject: [30424] Re: fox  
Message-ID: <M321776.037.abok1.1.971107164150Z.CC-MAIL\*/OU=SATCG/OU=AZBH/PRMD=MOT/ADMD=MOT/C=US/@MHS>

Message authorized by:  
: torell@sicom.com@INTERNET at #EMAIL

>Got home, set up the rig, and heard mike booming in. Had to  
>talk to Fran and eat supper, and got back outside about 8:15.  
>Horrors :-( the cme was nicely killing the signal (he sounded  
>like an aurora path) and he was real weak. Tried a few times,  
>but he kept fading more and more. Finally packed it up at  
>9pm...sorry folks :-/

>Kent Torell      torell@sicom.com      602-607-4852  
>SICOM      7585 E. Redfield, #202      Scottsdale, AZ      85260

I had the same problem. I am busy every Thursday night from 7-9 (dead square in the middle of the typical fox timeslot), but I managed to sneak out early and got on the air for the final 45 minutes about the same time as Kent.

He had a lousy signal. The signal strength was reasonable, but he had a really bad "buzz". The buzz was bad enough that at his code speed, copy was difficult despite the reasonable signal strength.

From that point, he soon faded to just above the noise level. I could tell he was there, but there was no copy. At about 8:35 he peaked to a decent signal (449) for a few minutes, but I was not able to get his attention. He then disappear totally for the last 20 minutes of the window.

Rats!!!

Oh, well.... Bring on the next fox!

- Dan Tayloe, Phoenix, Az, Az ScQRPions, QRPL # 696

-----  
Date: Fri, 7 Nov 1997 11:48:54 (-0500  
From: "Dean T. Miller" <dtmiller@dsmnet.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [30423] Re: STRANGE!!! What's up with the ionsphere?  
Message-ID: <199711071748.LAA27045@dsm7.dsmnet.com>

Hi Kevin,

> Date: Thu, 06 Nov 1997 21:44:16 EST  
> From: kb9iua@juno.com (Kevin L Anderson)

> hope it is not like tonight. What is up? In my location,  
> over half the signals I'm hearing, QRP and QRO, have  
> a bizarre watery, hollow, echo-like sound that is very  
> hard to copy (K1MG is impossible to understand, nor  
> can I make out who is calling him, but nonetheless  
> plenty are calling, so what I'm hearing must be localized  
> somehow). Some signals sound "normal" but most don't.

Sounded that way here, too. For the whole 2 hours, the QSB flutter was so fast that I could get good copy on only the slower stations (less than about 10 WPM). Faster CW was dropping 2 or more characters during the 'down' QSB cycles.

-- Dean -- from Des Moines (KB0ZDF)

-----  
Date: Fri, 7 Nov 1997 13:04:30 -0500 (EST)  
From: SABorns@aol.com  
To: qrp-1@Lehigh.EDU  
Subject: [30423] MRX-40 Mini Rcvr Kit  
Message-ID: <971107123026\_-1509411366@mrin85.mail.aol.com>

Hello Gang,

CQrp still has a supply of MRX-40 Mini Receiver Kits. The receiver is only 1" x 2" and tunes a range of about 3 khz around 7040 khz. The kit comes with an etched, masked, and printed board and all parts including jacks. It makes an ideal beginners project. It's performance is quite impressive and makes a nice mini companion for the Micronaut transmitter. The price for the kit including shipping is \$18.00.

Send Orders to: CQrp c/o Steve Bornstein K8IDN  
475 East North Broadway  
Columbus, Ohio 43214

-----  
Date: Fri, 07 Nov 1997 18:03:13 -0800  
From: "Harvey D. D. Hetland" <n6mm@earthlink.net>  
To: QRP-L@Lehigh.EDU  
Subject: [30424] QRPers in SS from the other side.  
Message-ID: <3463C861.3E1B@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

The following comments were posted to the CQ-CONTEST reflector. Since they pertain to QRPers' good signals in SS, some of you might find their comments about repeating elements of the contest exchange interesting.  
73, Harvey, N6MM

-----  
From: Lee Buller <k0wa@southwind.net>  
To: cq-contest@contesting.com  
At 11:17 AM 11/7/97 -0600, you wrote:

>QRP ops: please be more confident about the power of your signals! Q  
>category stations were much more likely than others to send their exchanges  
>twice on the first try. But it was usually unnecessary & a waste of time --  
>most QRP ops were easy copy, with many of them louder than many A-power  
>stations. Especially with the long exchange in SS, it's best to only repeat  
>something if you're asked to repeat it.

>Douglas E. Smith W9WI/4 desmith@Telalink.net.xxx

I agree Doug. This is a good piece of advice for a lot of the Q guys and gals. Rock and Roll. The big stations will ask for fills. Get it in and over with before a station comes and sees a big hole and starts calling CQ. Whooops, I am talking about myself. Sorry guys, in the excitement,

goofs.

Lee, k0wa@southwind.net

-----  
Date: Fri, 7 Nov 1997 10:15:33 -0900 (GMT-0900)  
From: Roger Asbury <fnrla@camelot.acf-lab.uaf.edu>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [30423] Re: Auroral fox + skip zone = grapes (sour)  
Message-ID: <Pine.NXT.3.95.971107095019.4151A-100000@camelot>  
Mime-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Just as a non-qrp related sidenote ....

I must say the Auroral display last night was among the most amazing I've seen in years! A couple of co-workers and I were driving back to Faibanks around 8pm local time, and the lights filled most of the sky. They were very energetic and moved with some incredible speed. They were also quite often mostly red, which is fairly rare. Ahhh ... sometimes I do see a few good reasons to live in Alaska! :)

Makes me wish I had my radio's with me. I've actually never heard, nor tried auroral propagation.

Anyway, just rambling. Later,  
Rog.

=====  
Roger L. Asbury Jr. [] "I don't know the meaning of  
fnrla@camelot.acf-lab.uaf.edu [] the word surrender! I mean,  
Desktop Coordinator [] I know it, I'm not dumb ...  
WL7NT [] just not in this context."  
<http://icecube.acf-lab.uaf.edu/~fnrla>[] ~~The Tick~~  
=====

-----  
Date: Fri, 7 Nov 1997 13:36:06 -0600  
From: Brian Cieslak <brianc@ams-i.com>  
To: "'QRP-L'" <qrp-l@Lehigh.EDU>  
Subject: [30423] QRP rigs on sale  
Message-ID: <50F91F96FB1FD11191C100A0C95B293705887C@COMMSERVER>  
MIME-Version: 1.0  
Content-Type: text/plain

MFJ

Brian AE9K

Date: Fri, 07 Nov 1997 14:48:54 -0500 (EST)  
From: n4js@amsat.org  
To: qrp-l@Lehigh.EDU  
Subject: [30424] ARK4 Fixed!  
Message-ID: <XFMail.9711071144854.n4js@amsat.org>  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 8bit  
MIME-Version: 1.0

Well, had some time today, so got it working. Turns out the second MRF476 (from Dan's) was bad also. I replaced it, and suddenly--3 watts out! That seems to be the best this SC2075 substitute will do. I think I would get more with a "real" MRF476..but this is OK. Made a couple of QSO's, and everything seems OK. I got one report of "slight" chirp from a local. I can't hear it in my own receiver.

Maybe I'll try it with the next fox.

Thanks again to all the suggestions, and even offers to fix it, I received...this IS a great group!

72/73

Sent at 14:48:54 on 07-Nov-97

```
John L. Sielke n4js@amsat.org n4js@pobox.com  
n4js@qsl.net NJ Grid:FM29LN  
http://www.qsl.net/n4js NJ-QRP #57 QRP-L #884  
QRP-ARCI CQC #443 CQrp #50 AKQrp ARQrp
```

NE-QRP #507 G-QRP #9544 NorCal #1989 QCWA FISTS #2781 ARS #243

-----  
Date: Fri, 07 Nov 1997 12:47:45 -0600  
From: "Phil, K6LS" <k6ls@amsat.org>  
To: qrp-l@Lehigh.EDU  
Subject: [30425] wow! QRP week here in Colorado  
Message-ID: <34636251.7E96145F@amsat.org>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Just go my Norcal Paddle kit today, and yesterday I received a  
NN1G 40-40 kit. Bet I get my 38S case tomorrow!!!

The Paddle kit arrived in good condition. (Thanks Jim!)  
Yes the kit does require some work, but like anything you put  
together yourself, It'll mean that much more to you in the end.

We're talking about something that you can finish/customize  
any way you like and at a price that reflects just that.  
And just like all the transceiver kits/ home-brew rigs that are  
available,  
no two will be the same. I expect to see a great variety in a couple  
of months- I can't wait to check them out and to get mine done too-  
Think I'll do things the 'old-fashioned' way and use hand tools and  
a whole mess of 'elbow grease' ;-)

--

73 de Phil, K6LS

k6ls@qsl.net <or> k6ls@amsat.org  
<http://www.qsl.net/k6ls>  
DM79or , Arapahoe County, Colorado  
ITU zone 7, CQ zone 4  
QRP-L #612 NorCal #824  
CQC #471 ARCI #8866

-----  
Date: Fri, 7 Nov 1997 12:07:37 -0800  
From: "Michael A. Gipe" <mgipe@reliablemeters.com>

To: "QRP-L list server" <qrp-l@Lehigh.EDU>  
 Subject: [30426] Fox log: K1MG (long -- yeah!)  
 Message-ID: <199711072008.0AA16048@multi13.netcomi.com>  
 MIME-Version: 1.0  
 Content-Type: text/plain; charset=ISO-8859-1  
 Content-Transfer-Encoding: 7bit

Fox log, stardate 7 November 1997, K1MG in Saratoga, CA

Here are the details. Let me know if I've introduced a typo, and I'll double check with my handwritten log.

Date: 7-Nov-97      Frequency: 7.038 MHz      CA Mike 614

#	TIME	CALL	SENT	RCVD	STATE	NAME	NR
1	200	N5JI	559	559	TX	DICK	1054
2	201	W5TFB		559	559	TX JACK	282
3	202	NQ7X	559	559	AZ	FLOYD	343
4	203	W4WZ	559	579	GA	RON	5W
5	204	K0EVZ		569	579	MN DOC	861
6	205	VE7CQK	449	559	BC	PAUL	20
7	206	N0TFI		559	599	CO JESS	1232
8	209	AA0ZZ		559	559	MN CRAIG	1238
9	209	AB7TT		599	599	AZ JOE	191
10	210	K5JHP		579	599	TX BILL	825
11	211	KI7MN		559	599	AZ BOB	271
12	213	N7KT	559	559	AZ	ROGER	62
13	214	KQ5U	559	559	TX	TERRY	5W
14	216	AB5UA		569	559	OK CLIF	468
15	217	W0RW	449	599	CO	PAUL	2W
16	218	K10J	569	559	TX	OJ	732
17	219	NF9K	559	569	MN	JOEL	233
18	222	WA5WHN	559	559	NM	JAY	638
19	224	W0CH	569	559	MO	DAVE	618
20	227	N4SO	569	339	AL	KEN	622
21	227	KK6MC/5	569	579	NM	JIM	411
22	229	WJ7H	559	559	UT	WAYNE	481
23	230	N7XJW		559	559	AZ BERTIE	1259
24	231	KU7Y	559	549	NV	RON	17
25	232	AB7MY		559	599	AZ GARY	571
26	233	AK1P	559	569	CA	PAUL	284
27	234	W5HNS		559	569	TX HENRY	178
28	235	AD6AY		559	559	CA DAVE	92
29	237	W9UQB		559	579	AZ MIKE	413

30	239	KJ3V	559	559	AL	LYNN	1227	
31	240	N5ZN	559	559	AL	ANIBAL	736	
32	241	N9AW	449	559	WI	JERRY		1271
33	243	K5SD	449	559	AL	KEN	652	
34	244	K0HUU		449	579	MO DON		01
35	246	N8VZ	559	559	CA	GARY	919	
36	246	K8CV	559	339	MI	WALT	935	
37	249	W5FN	559	579	TX	TIM	586	
38	250	N0UR	559	559	MN	JIM	799	
39	251	N0HJ	559	579	CO	JOHN	219	
40	252	AF9T	559	559	MN	JOHN	1022	
41	256	WB0T	449	449	IA	JERRY		1268
42	258	KE5TC		559	559	OK ROY		1057
43	300	K5LE	559	559	CA	JIM	534	
44	301	AA5TA		449	559	TX LARRY		1245
45	302	W03B	599	599	CA	BOB	195	
46	303	WB4EXW	559	559	NC	WATSON	5W	
47	305	N5JKY		559	559	OK MIKE		300
48	306	K5UP	559	579	OK	GLEN	621	
49	308	W7GVN		559	579	AZ ROD		849
50	309	KU4AF		449	559	NC JOHN		987
51	310	NA5K	449	559	TX	SMITTY	84	
52	312	K50I	559	559	NM	TIM	73	
53	313	K0FRP		569	599	CO AL		366
54	314	N6WG	559	339	CA	BOB	26	
55	315	K4PYM		559	559	SC GEORGE		1297
56	317	WA9PWP	449	449	WI	PAUL	127	
57	318	N4ROA		339	449	VA DAN		970
58	320	WB9HFV	339	549	IL	MARK	1159	
59	322	N2GO	449	449	NY	JIM	381	
60	324	AA1MY		559	559	CT SEAB		574
61	325	W5SB	559	559	TX	BILL	1279	
62	327	N1QQV		449	449	CT KEN		400
63	328	VE6NJK	449	529	AB	NIELS		1239
64	331	N4JS	339	559	NJ	JOHN	884	
65	332	AE4IC		559	579	NC BOB		54
66	333	KD6VIO	449	559	CA	BOB	NC8	
67	335	N2SMH		559	579	CA DAVID		74
68	335	AE9K	559	559	WI	BRIAN		58
69	336	N5LU	559	559	OK	BILL	5W	
70	337	VE3JC		449	439	ON JOHN		744
71	340	NI0A	449	449	MN	JOHN	689	
72	342	KA8OKH	349	559	KY	RICH	33	
73	343	KA5T	449	559	TX	LARRY		89
74	345	W0CLR		559	569	MO JERRY		1241
75	346	N9KW	449	559	IL	JOHN	1257	
76	348	W8RU	559	559	MI	RON	338	
77	351	WD4MSM	559	559	IN	BARRY		642



78	352	N5ALO		339	449	TX	BILL	415
79	354	AC5IE		559	559	OK	DON	264
80	356	N6XU	559	559	CA	STAN		66
81	357	W2PFS		339	449	NY	HAL	5W

Notes:

K0HUU sent "01" for his number, possibly stumbled across the pileup and joined in?

KD6VIO sent "NC8" for his number, no doubt meaning NorCal # 8

I had the ops repeat each of these, so I know that is what they sent.

Total QSOs = 81

States = 24

Provinces = 3

Countries = 2

TX = 11

CA = 9

AZ = 8

-----  
Date: Fri, 7 Nov 1997 15:15:35 -0500 (EST)

From: SNickrand@aol.com

To: qrp-l@Lehigh.EDU

Subject: [30427] Anyway to recieve QRP-L as aol newsgroup?????

Message-ID: <971107151100\_-1191320584@mrin85.mail.aol.com>

The aol newsgroup feature does a good job in filing related threads together.

My receipt of qrp-l come in the form of email and is not sorted. Is there any way to receive it via the newsgroup?? Thanks Bill

-----  
Date: Fri, 7 Nov 1997 13:08:54 -0700

From: gsurrency@juno.com (Gary L L Surrency)

To: qrp-l@Lehigh.EDU

Subject: [30428] Kenwood DRU-3A installation tip.

Message-ID: <19971107.131358.12110.5.gsurrency@juno.com>

Gang,

If any of you are using a Kenwood TS-570D or TS-570S, I have a hint if you want to put the DRU-3A Digital Voice Recorder in it for the upcoming SSB contests. This technique should also apply to several other Kenwood models that this digital recording module fits.

The module comes in three parts: two copper shields, and the PCB.

When you go to install it, don't assemble all three pieces before putting it in the rig. Instead, put the bottom shield in place over the connector on the TS-570's PCB first. Then place the PCB with its connector into place.

Finally, press the remaining shield on top of the other two pieces, and snap it into place.

This method allows you to better see and position the bottom shield over the PCB connector and fit it onto the adhesive pad that secures it.

Doing it this way is a lot easier, and you will be confident it all went into place as it should. It's hard to tell if it goes into place with the module assembled beforehand. That adhesive pad is tenacious!

The only weird thing is, when you hear your recorded voice coming back at you from the digital recorder you will think, "Do I really sound like that?" ;-) I confirmed what another on-the-air ham had told me about my mikes. The MC-60 desk mike sounds a whole lot better than the supplied hand mike. That was a neat thing to experience!

I got this option after the last CQ WW SSB contest because I got tired (and hoarse) from repeating my call and exchange. It is \$129.95 from your Kenwood dealer. I ordered it yesterday afternoon from AES Las Vegas and got it today before noon. Great service! No affiliation with AES - just a satisfied customer!

I'm resisting the urge to have my wife record her voice for playback during the contest. Although a female voice just "seems" to be more effective in contests, it really freaks out the other station when your male voice comes back on the air for a question! Whoa! A radio with split-personality! Sure don't have that problem on CW!

Of course, you may be able to coax your wife into operating the \*entire\* contest for you while you sit back and coach her! Naaaaahhh! But it's a thought....She would undoubtedly make more QRP contacts than your masculine voice. ;-)

I'm ready for the ARRL SSB contest next weekend!

72 / 73,

AB7MY

Gary Surrency

Chandler, AZ (Near Phoenix), QRP-L #571, AZ ScQRPions, ARRL VE

-----  
Date: Fri, 7 Nov 1997 13:13:48 -0700  
From: gsurrency@juno.com (Gary L L Surrency)  
To: ji3m@maxwell.com  
Cc: qrp-l@Lehigh.EDU  
Subject: [30429] Re: 2N3055 Comments (LONG)  
Message-ID: <19971107.131358.12110.6.gsurrency@juno.com>

Yo! Duffy! You never mentioned which 2N3055 manufacturer was the "best"!

Funny, I have built a number of power supplies that incorporated the ubiquitous 2N3055 and never had any problems like this. Of course, most of my supplies were fairly low current and did not "push" the device too hard.

As to the current balancing act, I haven't had any difficulty getting several pass transistors to share the load. An appropriate emitter resistor always did the trick. You just need to compute the required 0.6 -0.7 volt drop in the emitter resistor at a current that is within the  $I_c$  ratings of the 2N3055. For a 10 amp supply, I would use a 0.15 to 0.22 ohm resistor in each transistor's emitter. If each transistor were to pass 5 amps, there will be 0.75 to 1.1 volts developed across the each emitter resistor to force the two devices to share current equally. Of course, the two 2N3055's should be fairly close in DC beta so one of them doesn't try to carry all the current at loads less than 10 amps total, or 5 amps each. But, it will probably be within its rating at that current level, as long as the dissipation isn't exceeded.

The difference voltage between the unregulated input and the regulated output voltage should be kept within the safe operating area of the device you use. Normally, a minimum of 3 volts needs to be maintained, including allowing for unregulated ripple voltage. Too much input voltage will create excessive heat dissipation in the series pass transistors. Proper choice of the power transformer for the desired load current and voltage is important if you want any kind of efficiency and reasonable heat sink size.

In my old Heath HP-1144 13.8 v 20 amp supply, two 2N3771's are used. The collectors and bases of the two transistors are connected directly together. In each transistor's emitter lead are four 0.33 ohm 5 watt

wirewound resistors. They are mounted on a terminal strip, and four resistors are in parallel with each transistor for a resistance of 0.0825, or approx. 0.09 ohms at 20 watts.

Assuming 10 amps flowing in each transistor at the rated total load of 20 amps, there is about 0.9 volts of emitter ballast resistance. I've never had to replace the 2N3771's in 25 years. Their paralleled bases are fed with a 2N3055 and another 2N3643 plastic TO-92 device, all in a Darlington configuration for very high gain. All of the four transistor's collector's are connected together, and each device is direct - coupled to the next one. The regulator is a now obsolete MFC6030. I kept some spare ones, just in case! ;-)

My guess is you are having some other problem with your supply, since this is a widely used circuit and very popular in many of today's Astron and similar makes of DC supplies. Could it be you have a bad decoupling cap somewhere, and your supply is oscillating? Is your load reflecting weird stuff back at the supply? It is important to have short, heavy leads in any high gain power supply circuit.

Even if 2N3055's vary widely in performance, I've used a bunch of them with no problems. But I did put some '3055's on a curve tracer once, and they \*did\* have a lot of different characteristics from one to the next. But then, the ones I had were all from surplus sources too. Heck, almost any device will surprise you if you start comparing its actual performance to its characterized specifications. It's normal tolerance. If you design or engineer a circuit, you \*must\* take this into account. I've spent considerable time doing parts testing and prototype characterization. It's a real eye opener!

The Handbook has had high current supplies featured over the years. Look in there for some examples.

Now, switching supplies.....that is a whole 'nuther critter altogether..... :-)

AB7MY

Gary Surrency

Chandler, AZ (Near Phoenix), QRP-L #571, AZ ScQRPions, ARRL VE

-----  
Date: Fri, 07 Nov 1997 15:23:14 -0500  
From: Ken Freedman <n1qqv@cshore.com>  
To: qrp-l@Lehigh.EDU  
Subject: [30430] Happy Dance Time  
Message-ID: <3.0.32.19971107152115.007b8ae0@cshore.com>

Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi Gang,

The Keyer kits are arriving on the east coast. The design and execution of the hardware and the instructions is top notch. If you haven't seen one of these yet, you're in for a treat. Kudos to K8FF and Nor Cal. Super job, guys!

73, Ken

Ken Freedman  
AKA: N1QQV/QRP VE, EC Madison CT, QRP-L  
Living Proof That, "You don't have to be a blonde to be light headed!"

-----  
Date: Fri, 7 Nov 1997 15:32:10 -0500  
From: "JakeCart" <JakeCart@ix.netcom.com>  
To: <qrp-l@Lehigh.EDU>  
Subject: [30431] Thanks for the help re. magnet wire and enamel wire  
Message-ID: <199711072031.0AA13608@dfw-ix7.ix.netcom.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Thanks to all who responded to my question regarding enamel wire vs magnet wire -- even had a couple guys offer to send me some.

I had ordered 2 spools of magnet wire from Dan's thinking I could build stealthy antennas from. Its the correct size for the 49er torroid choke mod so I'm in business.

I was reading through my Cal Tech EE20 class notes last night and found they also point out that magnet wire and enameled wire are the same. Guess I should study them more carefully :-) Lots of good stuff in those EE20 notes -- especially for a HB rookie like me.

Thanks again,  
Jake [N4UY]

QRP-L #821, G-QRP #9557, AK/QRP #175, CQrp #46, NJ-QRP #74, NorCal#1457,  
ARCI #9392, FISTS #3450  
WAS W/C 49/46 need DE

WAS QRP W/C 43/36

-----  
Date: Fri, 07 Nov 1997 20:39:14 +0000  
From: Ed Loranger <we6w@qsl.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [30431] Norcal K8FF paddle kit.  
Message-ID: <34637C72.1B51@qsl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

They handed out these mini-mousepads at a class today.

Just think how cute that little kit will be sitting  
on this pad.

Next the umbrella for outdoor use!

-Ed

--

72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)  
HW-8,0HR-100, Pixie2, Johnson Viking II, Drake TR-3  
QRP-L#1068,ARCI#9397,Norcal#2227,ARS#275,AR#112 grid CM88ok  
mailto:we6w@qsl.net <http://www.qsl.net/we6w>

-----  
Date: Fri, 7 Nov 1997 13:02:04 -0800 (PST)  
From: Monte Stark <ku7y@sage.dri.edu>  
To: QRP-L <qrp-l@Lehigh.EDU>  
Subject: [30432] Antenna Switch  
Message-ID: <Pine.SUN.3.90.971107130021.22285C-100000@vortex>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

Awhile back, someone offered a coax switch for sale.

I hit the delete key too fast!

Does anyone have any antenna switches for sale?

73, Ron,        SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

-----  
Date: Fri, 7 Nov 1997 13:04:27 -0800  
From: "Michael A. Gipe" <mgipe@reliablemeters.com>  
To: "QRP-L list server" <qrp-l@Lehigh.EDU>  
Subject: [30433] Fox: K1MG commentary  
Message-ID: <199711072105.PAA21689@multi13.netcomi.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Gang --

That was one wild ride! If you've never been at the bottom of a pileup before, you should try it at least once in your life.

Left work early in order to make sure everything was set. Saw the fog rolling through the Los Gatos gap and it started to spit rain. Thought to myself, bad precipitation static, for sure. Picked up my daughter, made her dinner, and set her up with things to do while I played radio. (My wife was working last night.) Went outside to check the feedlines to make sure the G5RV open line hadn't broken again. Everything OK. Turned on the rig. Tuned around 40 a bit. Recalibrated the watch and clock with WWV. Went back to 40. Hmmm. Band was already long, with a little aurora sound. Odd, usually don't hear aurora as low as 40 meters. Glad I forewarned the east coast crowd. Checked my target frequency and found the usual RTTY. Found a clear frequency, then heard Dwight WA6NAE in QSO. Figured he really meant to be first! Finished a few more chores until 0200Z.

Then followed two hours of adrenaline-stoked madness.

At the end of the hunt, I heard Tim K50I call and had a short chat with him to unwind. Didn't work. Put daughter to bed, had dinner and went to bed myself, but couldn't get to sleep until the wee hours -- too wired and still sending QRZ? to the refrigerator.

That was the most fun I've had since holding a frequency for four hours on the club field day about 30 years ago.

Texas edged out AZ and CA. Lots of nice signals from the east coast, especially the southeast. I think only Florida was missing there. Sorry I didn't hear WA1QVM in the pile. Never heard WA6NAE under the pile up

either, although I did manage to snag N6WG. Guess I'll have to refund the money they paid for slots one and two in the log.

The aluminum allies fared pretty well -- topped the coppertops, and missed a clean sweep by only one.

I realized that I made one big error. I had just managed to tie Doc's fox count this week, and was feeling pretty good until I looked at the log and saw his call in it. Then I realized that I gave him the QSO that allowed him to pull out ahead of me by one fox pelt! Arghhh. Good work, Doc.

40 meters WAS weird. It went long very early, and was clearly under the influence of aurora. The static crashes were coming from around the world. I think that some of the late callers were actually making it all the way around the world and back again.

The hunters were pretty well behaved, I think. I tried to keep some discipline in the group, though it was hard at times because the erratic propagation kept my signal down in some places. In general, though, I think the manners and tactics were pretty good.

There was no opportunity to catch my breath. If I paused for just a second, the hounds erupted. What a feeling of power and powerlessness, all at the same time.

I tried to spread out the pack by calling for replies up 1 kHz, and it was somewhat successful, but not as good as I had hoped. It did spread out the crowd over about 600 Hz for the first hour, but few people went as high as 1 kHz. I spent a lot of time collecting QSOs close to my xmit frequency, so I don't think anyone lost out because they didn't have RIT or split capability. The pileup was a solid 600 Hz wide wall, and it dropped right off at the top end.

Hint for future hunts: If you called me about 200 Hz higher than the guy I just finished working, you were almost guaranteed success within a few calls.

I am sure there were lots more hunters that I didn't get to work. Sorry I missed you. There were lots of you who were right at the noise level (especially near the end of the two hours), and I might have been able to pull you out with lots of twiddling with the filters and various gain settings, but it just wasn't possible in the short time allowed. Can't wait to add a few dB to my antenna system -- that would have been just enough to hear a couple dozen more hunters above the noise. The 46 more pounds of aluminum that are on order will have arrived for my next turn in February. Can't wait!

I used my Kenwood TS570D, Schurr paddles, and --gasp-- copper G5RV antenna.



Never had the chance to switch to the Gap Titan. Logging was with paper and pencil. Mechanical pencil broke about half an hour into it, and I grabbed a couple antique wooden pencils to continue. The wrist held up fine, but I sure made a lot of keying mistakes in the rush of battle. Sorry about that guys.

CW speed was in the high twenties, and I expected a few people to need me to QRS, but the whole pack was up to the challenge. I'm quite impressed. I did slow it down a bit for a while in the middle, but people kept sending at the faster speed, so I just turned it back up and left it there. Maybe by February we'll kick it up another notch.

Lots of partial calls and fills needed. That was the major slowdown. But I figured that I had to copy it all, even names and locations that I already knew, in order to make it legal. Hope I didn't make too many mistakes.

Some operators stood out because of their excellent operating skills. Unfortunately, I didn't note the calls, so I can't acknowledge them by name. It was a pleasure to work those hounds -- they worked fast and efficiently, provided fills immediately where needed, and just instinctively knew when to send and when to listen.

I learned later that Bob W03B worked me using 100 mW. Of course, he could have hit my antenna with a well thrown rock. I sure am glad that he is a QRPer!

I want to thank all of you who showed up for the party, particularly those who tried and never made it into the log. Next time I'll get you for sure.

72,  
Mike K1MG

-----  
Date: Fri, 7 Nov 1997 14:13:01 -0700  
From: "Ron and Helen Smith" <resmith@primenet.com>  
To: <fmathews@norfolk.infi.net>, "Low Power Amateur Radio Discussion" <qrpl@Lehigh.EDU>  
Subject: [30434] Re: Pixie2 Revision Inquiry.  
Message-ID: <01bcebc1\$ee5514a0\$LocalHost@Presmith>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Not only yes, but YES! Send me the address when you are ready to start.

Thanks for being there Frank.

Ron Smith  
KD7VD  
Boise, ID

-----Original Message-----

From: Frank Matthews <fmathews@norfolk.infi.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Date: Friday, November 07, 1997 9:30 AM  
Subject: Re: Pixie2 Revision Inquiry.

[cut]

>Let me know what you think....all replies welcome as I have CC: this to  
>the group.

-----  
Date: Fri, 7 Nov 1997 16:15:59 -0500  
From: "Kevin F. Glynn" <kfglynn@prodigy.net>  
To: <brianc@ams-i.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [30435] Re: QRP rigs on sale  
Message-ID: <199711072115.QAA59566@mail1y-int.prodigy.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Hi Brian and gang,

The MFJ-9420x is the 20M SSB rig with the matching mic. Thought the mic was a cheapo, but I've been getting excellent audio reports while using the rig since last March.

72 Kevin N2TO  
Brooklyn, NYC  
kfglynn@prodigy.net

-----  
> From: Brian Cieslak <brianc@ams-i.com>  
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
> Subject: QRP rigs on sale

> Date: Friday, November 07, 1997 2:36 PM  
>  
> AES just release their holiday sale items via email to their customers  
> and  
> included are a couple of qrp rigs.  
>  
> MFJ  
> 9020.....\$159.95           cw xcvi  
> 9420X.....\$209.95       i'm not sure what this is  
>  
> Brian AE9K  
>  
> PS. Doc, k0evz is visitng the land of cheese and honey's, showing us  
> all his fox hunting secrets, you'll note a few more wisconsin hunters in  
> the log this week.  
>  
>

-----  
Date: Fri, 7 Nov 1997 14:25:58 -0700 (MST)  
From: James P Rybak <jrybak@mesa7.mesa.colorado.edu>  
To: QRP-L <qrp-l@Lehigh.EDU>  
Subject: [30435] Icom 706 Mk II for QRP????  
Message-ID: <Pine.OSF.3.91.971107142336.12319B-1000000@mesa7.mesa.colorado.edu>  
Mime-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Aside from being a power hog, are there any other major problems with the  
ICOM 706 Mk II at reduced power as a QRP rig?

Jim Rybak W0KSD

-----  
Date: Fri, 7 Nov 1997 16:24:36 -0500  
From: "Watson R Gabriel Jr" <wgabriel@duke-energy.com>  
To: gsurrency@juno.com, qrp-l@Lehigh.EDU  
Subject: [30436] Re: 2N3055 Comments (LONG)  
Message-ID: <85256548.0074E76E.00@dpcmail.dukepower.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII

Good notes from Gary and Duffey. Both had lots of good info. Only thing I

could even think to add was that I've had good success with the emitter balancing resistors over the years. Back in the early 70's I created a circuit and PWB for a 723-based regulator circuit that could be populated for several configurations of regulation. The most unique aspect to me at the time was that I used the Motorola MJ1000 or MJ3000 series of Darlington power transistors for the power regulator. You could drive the pants off a number of these directly from a 723. Saved parts and wiring. The original supply and a couple of other versions I've built since, are still in operation.

I tend to wonder too if something else may be wrong. Will say that I have seen rf get into a supply and cause weird things to happen, especially VHF freqs. A few bypass caps usually eliminate this. Don't know if this could be part of the issue though.

For whatever it's worth..... Watson/WB4EXW

-----  
Date: Fri, 7 Nov 1997 22:47:40 +0100 (MET)  
From: pa3asc@xs4all.nl (Mike Perry)  
To: qrp-l@Lehigh.EDU  
Subject: [30437] RE: Tapping the inductor turns in an L network  
Message-ID: <199711072147.WAA19686@smtp1.xs4all.nl>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

John WB4QFT wrote:

>This question is to anyone using an L network antenna tuner.  
> (1) Do you short unused turns or leave them floating?  
>

John and Gang,  
Better to short unused turns. This will reduce the Q of an air-cored coil slightly, but leaving the turns open can produce some high RF voltages by transformer action. [But avoid using carbonyl iron toroids in this type of application since they don't take kindly to shorted turns.]

>(2) Do you tap from the low impedance (TX) side of the  
>inductor or the antenna side, or does it matter?  
>

Well sometimes you have to reverse the antenna and transmitter connections (or turn the circuit around, which is the same thing)

to get a good match. And some loads match easier if the L is the parallel element and the C is in series. So, for those reasons, it doesn't matter, provided the tuner is well built.

>I would appreciate hearing from anyone using this type of tuner  
>with an end fed wire.  
>

My home brew L-match drives an end-fed wire tuned against real Mother Earth for past 18 years with good results. In theory, an L-section of the right inductance and capacitance values will match any load to 50 ohms and probably with a broader bandwidth and lower losses than a pi or a tee network. In practice, you have take care of the effects of lead inductance at higher frequencies (e.g. above 21 MHz.)

>Thanks

>  
My pleasure. Success with your tuner.  
GL es 72

--  
Best regards from The Netherlands,  
Mike Perry. [e-mail :- pa3asc@xs4all.nl ]  
=====

-----  
  
Date: Fri, 7 Nov 1997 16:45:31 -0500  
From: Sam Billingsley <sbillingsley@mindspring.com>  
To: "Qrp-L (E-mail)" <qrp-l@Lehigh.EDU>  
Subject: [30438] FW: Pulling XTAL frequency UP?  
Message-ID: <01BCEB9C.A601E9A0.sbillingsley@mindspring.com>

Thanks for everyone's input regarding finding needed XTALs. I know now I can buy one BUT.....

Is there any way with caps and inductors to PULL the frequency of a XTAL UP. I have a 9.000 MHz xtal crystal that I would like to pull up to 9.0015 MHz. I know an inductor and cap in series will pull the frequency DOWN. Is there another variation that can accomplish UP. BTW I'm not that cheap (i.e. not just buying one) but I am trying to extend my homebrewing technical expertise.

I AM DIGEST MODE LIST USER. PLEASE SEND ANY RESPONSE DIRECTLY TO

ME UNLESS YOU THINK IT WILL BENEFIT OTHERS.

Sam Billingsley, AE4GX            e-mail: sbillingsley@mindspring.COM  
Atlanta, GA 30342

Wire Antennas, Butternut Vert, AEA IsoLoop

Ramsey 1w 40 mtr xmtr/rcvr	norcal #2210	MI-QRP #1567
Index Labs QRP+ (#928)	qrp-l #1033	ARCI #9356
NorCal 38S w/5w/Tick (#927)	G-QRP #9660	ARS #269
HW8 (no mods)	NOGA #????	CQC #454

-----  
Date: Fri, 7 Nov 1997 13:55:46 -0800 (PST)  
From: Kory Hamzeh <kory@avatar.com>  
To: James P Rybak <jrybak@mesa7.mesa.colorado.edu>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [30439] Re: Icom 706 Mk II for QRP????  
Message-ID: <Pine.BSF.3.96.971107135506.22372A-100000@ns1.avatar.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 7 Nov 1997, James P Rybak wrote:

>  
> Aside from being a power hog, are there any other major problems with the  
> ICOM 706 Mk II at reduced power as a QRP rig?  
>  
> Jim Rybak W0KSD

Also, other than turning off the back light and turning the power down, is there anyway to reduce to rx current on the 706?

Kory

-----  
Date: Fri, 07 Nov 1997 14:16:36 -0800  
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)

To: qrp-1@Lehigh.EDU  
Subject: [30440] 1998 QRP to the Field Theme Announcement  
Message-ID: <3.0.1.32.19971107141636.00720224@telis.org>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

The theme for the 1998 QRP to the Field Contest is "Border Operations". The Jalopeno Pepper Gang thought this one up at Fort Tuthill. The idea is that we want to encourage everyone to operate from a state border, or even where 3 or 4 states come together. (Of course there is only one place in the US that has 4 states that come together, and that is the 4 corners area. There will be a 4 Corners Special Operation for the contest sponsored by the Arizona and New Mexico QRPers.)

In order to have the qso qualify for ARRL WAS consideration, reports will have to be sent from each state of operation. If you work a station on the Kansas/Nebraska border, the station would send you a report from each state, i.e. 579 KS, 579 NE. You would get credit for 2 states and 2 qso's, he gets credit for your 1 state, but gets to count it as 2 qso's. Should be a lot of fun. Start the planning now, the date is Saturday, April 28th and the time is 1600 to 2400 Zulu.

Also, we have a new contest manager for this year's contest, Joe Gervais, AB7TT. Joe has agreed to take over from Bob Farnworth, WU7F who has decided to step down. Bob did a great job getting this contest off the ground, and I would like to thank him for his efforts. Hope to see you in the next one, Bob. Joe will be posting an official contest announcement with rules, etc. soon on the list and with all the journals and magazines.  
72, Doug, KI6DS/M0BIV

-----  
Date: Fri, 7 Nov 1997 15:21:08 -0800 (PST)  
From: "David D. Meacham" <ddm@datatamers.com>  
To: "Michael A. Gipe" <mgipe@reliablemeters.com>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [30440] Re: Fox: K1MG commentary  
Message-ID: <Pine.LNX.3.91.971107151703.7914A-100000@dt1.datatamers.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Mike,  
Good show! Wish I could have worked you, but our path was 229 at best so you never heard me amid the pileup. Lots of QRM from the "C" beacon & lots of ringing, too. Very strong eastern stations.  
72, Dave, W6EMD

-----  
Date: Fri, 7 Nov 1997 14:21:05 -0800  
From: "Michael A. Gipe" <mgipe@reliablemeters.com>  
To: "Bob Tellefsen-CNSE97" <Bob\_Tellefsen-CNSE97@email.mot.com>  
Cc: "QRP-L list server" <qrp-l@Lehigh.EDU>  
Subject: [30440] Re: Good Ol' Fox  
Message-ID: <199711072222.QAA29435@multi13.netcomi.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Dear Ol'Kenwood

Glad we could play together again last night. Too bad we only had time for a sniff and a woof. My pet was really misbehaving, kept pulling on the leash. He wanted to check out every squeal and look under every static crash. You know how pets are. Just a woof and a bark and off we would go again. Of course, when we finished, he was exhausted and I was still raring to go. Serves him right! :-)) Maybe we'll be able to get together again soon for a good long howling session. It's been a while. By the way, did you hear Emmy last night? I was looking for her but couldn't smell a thing. Do you think she's mad at me, Uncle Kenwood?

Sincerely,

Lil Kenny

-----  
Date: Fri, 7 Nov 1997 15:25:15 -0700  
From: ji3m@maxwell.com (James R. Duffey)  
To: gsurrency@juno.com (Gary L L Surrency)  
Cc: David Shalita <af389@lafn.org>, qrp-l@Lehigh.EDU  
Subject: [30441] Re: 2N3055 Comments (LONG)  
Message-ID: <v02130509b0893c103811@[192.31.66.158]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

Yo Gary!! - I always pause before I post these long posts as they always seem to beget more long posts. You have raised some interesting points.

>Yo! Duffy! You never mentioned which 2N3055 manufacturer was the "best"!



Well I did that on purpose. I am not sure what relevance my experience 20 years ago has on today's parts, but for the record I don't want to be a wimp and cop out altogether. Two of the manufacturers whose parts I opened that produced parts with large die, 100% epoxy or eutectic bond coverage, and ribbon bonds were RCA and Motorola. There were a couple others, but I don't recall them. RCA, of course is no longer. From what I understand Motorola still has a good reputation for producing quality power transistors.

I am not sure I was clear about it, but Dave, W6MIK, ( David Shalita <af389@lafn.org>), had the power supply problems, not me. I use a 110 AH deep cycle marine lead acid battery and a 6 amp battery charger as my "12 V" DC supply. 3.5 years and still ticking. I already had the battery charger.

>Funny, I have built a number of power supplies that incorporated the  
>ubiquitous 2N3055 and never had any problems like this. Of course, most  
>of my supplies were fairly low current and did not "push" the device too  
>hard.

Yes, the LASER power supply was a pathological case. If I recall right the manufacturer only used parts with a secondary breakdown greater than 60V. I think 60V was the "max" column in the data sheet.

>In my old Heath HP-1144 13.8 v 20 amp supply, two 2N3771's are used.=8A

>Assuming 10 amps flowing in each transistor at the rated total load of 20  
>amps, there is about 0.9 volts of emitter ballast resistance. I've never  
>had to replace the 2N3771's in 25 years. =8A all in a  
>Darlington configuration for very high gain.=8A

I think you will find that the 2N3771 has more SOA margin in this application than the 2N3055. It may have slightly better beta as well. The Darlington pair to drive the paralleled pass transistors is a good idea and you can buy Darlington pairs in a single can that are designed specifically for this job.

> Could it be you have a bad decoupling  
>cap somewhere, and your supply is oscillating?

This can be another problem with surplus 3055s. Higher frequency power transistors that don't quite pass specs can be relabeled and sold as 3055s. They have higher gain at much higher frequencies than a stock 3055 and a circuit that was stable with a vanilla 3055 may oscillate with a surplus part that has more gain at higher frequencies. The decoupling caps are an excellent suggestion to start looking at for a source of trouble.

If mismatched transistors are problem, then getting two new 3055 (or

alternate) from a reputable manufacturer should go a long ways in solving the problem. Matching several for Beta is a better idea if a curve tracer is available or can be borrowed.

Thanks for the comments Gary, and good luck on the supply Dave. - Duffey KK6=MC/5

James R Duffey KK6MC/5 DM65  
30 Casa Loma Road  
Cedar Crest, NM 87008

-----  
Date: Fri, 07 Nov 1997 16:53:08 -0600  
From: "Owen 'OJ' Quarles" <k1oj@swbell.net>  
To: qrp-1@Lehigh.EDU  
Subject: [30442] Re: STRANGE!!! What's up with the ionsphere?  
Message-ID: <34639BD4.267A@swbell.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

>>>Mike sounded like a trumpeteer playing under muddy water.

This week.....aurora  
OJ  
--

-----  
OWEN'OJ'QUARLES <k1oj@swbell.net>  
HOUSTON, TEXAS QRP-L #732  
ARCI #9492 AR QRP #64 CQC #476  
CW OR CB, ITS YOUR CHOICE!

-----  
Date: Fri, 7 Nov 1997 18:01:21 -0400  
From: "W2MBY & W2MY" <n2mnn@spacegate.com>  
To: "QRP-L message" <qrp-1@Lehigh.EDU>  
Subject: [30443] FOX: Wrong time for N/T FOX tonite  
Message-ID: <0046459002307b7NS@spacegate.com>  
MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Sorry again guys, this morning's reminder had the wrong time. Its 01:00 - 03:00 tonite.

N/T Fox tonight (Friday local time), Oct 8, 01:00 to 03:00 UTC, 7.141 +/-.

John, W2MBY  
n2mnn@ spacegate.com  
The e-mail address of:  
John Pituch N/T Fox W2MBY (ex KC2CFZ)  
Steve Pituch W2MY (ex N2MNN)

-----  
Date: Fri, 07 Nov 1997 17:04:36 -0600  
From: "Owen 'OJ' Quarles" <k1oj@swbell.net>  
To: qrp-l@Lehigh.EDU  
Subject: [30444] Watery sigs...Aurora...Transequatoril Prop.  
Message-ID: <34639E84.F92@swbell.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

> Not 100% certain, but think we may have experienced  
> transequatorial propagation.

Transequatorial propagation is propagation between two stations on opposite sides of the equator and typically a distance of about 1000 miles or so. Most of the time it occurs on bands higher in frequency than normal propagation shows as being 'open'. Here in Texas we see it very often. When tuning across 10 or 15 meters, I can hear and work stations in south america and the caribbean at s9 plus and not be able to hear anything else on the band. I believe the wattery sounding signals you are hearing are do to aurora activity. The only other time signals sound like that is when listening to long path dx over the poles.

At least thats my theroy and I'm sticking to it. ;>)

OJ---K10J

..

-----  
OWEN'OJ'QUARLES <k1oj@swbell.net>  
HOUSTON, TEXAS QRP-L #732  
ARCI #9492 AR QRP #64 CQC #476  
CW OR CB, ITS YOUR CHOICE!

-----  
Date: Fri, 07 Nov 1997 19:43:25  
From: "Gary M. - W2UX" <mail4gary@worldnet.att.net>  
To: qrp-l@Lehigh.EDU  
Subject: [30445] Thanks for all the ARG0 556 replies.  
Message-ID: <3.0.3.16.19971107194325.3697319c@postoffice.worldnet.att.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Looks like the switch to high impedance head phones has done the trick.

TenTec had a few used modules which I bought for \$20.00 each and one new one for \$29.95.

The 555 and 556 use identical modules according to the TenTec rep I spoke to today.

Thanks again guys for info and help.

To many replies to do this individually.

=====  
72/73 de W2UX                    QRP-ARCI  
Gary McCaughey                QRP-L  
Lexington, SC                CQC  
CW is the REAL THING!  
Use it....or lose it.  
=====

-----  
End of QRP-L Digest 902

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